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JAMECO[®]

ELECTRONICS

Catalog 284 November 2008

The First Web-Enabled Catalog
Details Inside >>>

Searching Just Got Easier!



SEMICONDUCTORS



PASSIVES



INTERCONNECTS



ELECTROMECHANICAL



POWER



►►► REACH FOR JAMECO FIRST

Jameco Electronics has added hundreds of thousands of products over the past few years and yet we know the last thing you want is another bulky 20-pound catalog on your shelf.

We've redesigned the Jameco catalog and the Jameco.com website to help you quickly identify the products that you need without the heavy lifting. Between the catalog and the website we've given you more products, more specifications, more information and more comparisons than ever before, plus the tools to find what you need quickly.

Use the Jameco catalog as a starting point. This is home to our most popular products in a fast-access format, but don't stop there. The catalog serves as a launching pad to the Jameco.com website. Here you'll find many more products and a completely redesigned website to help you quickly narrow your search, find and compare similar products and check the latest pricing and availability.

We continue to offer the industry's best pricing along with the widest breadth of pricing options. We offer everything from franchise sourced brands, generic and house brands to an array of factory overrun products. We price our products below our competitors and we're committed to never being beaten on price for all of the products we sell.

Jameco carries ALL the electronics components you expect, **plus a few surprises**. Check out this catalog, take a look at the newly redesigned Jameco.com website to see what's new, then give us a call at 1-800-831-4242 and let us know what you think.

Bob Croshaw
President & CEO

Here's What's New...

Better Organization >>>

We've redesigned the catalog to allow you to easily compare similar products from different manufacturers.

Faster Search >>>

We've expanded the catalog index to give you a fast way to search by either product or manufacturer names.

Color Coding >>>

Every product in the catalog is color coded so you know if you are buying a franchise-sourced, house brand or factory overrun product.

Web Codes >>>

Every product category has a corresponding web code that will allow you to jump quickly from the catalog to the website to expand your search. Go to Jameco.com/More and enter the web code to get access to additional products, product photos, updated pricing, complete specifications and much more.

Jameco.com >>>

If you haven't checked out our website recently, we think you'll notice a major change. The site has been redesigned to help you quickly navigate through over a hundred thousand electronics components.



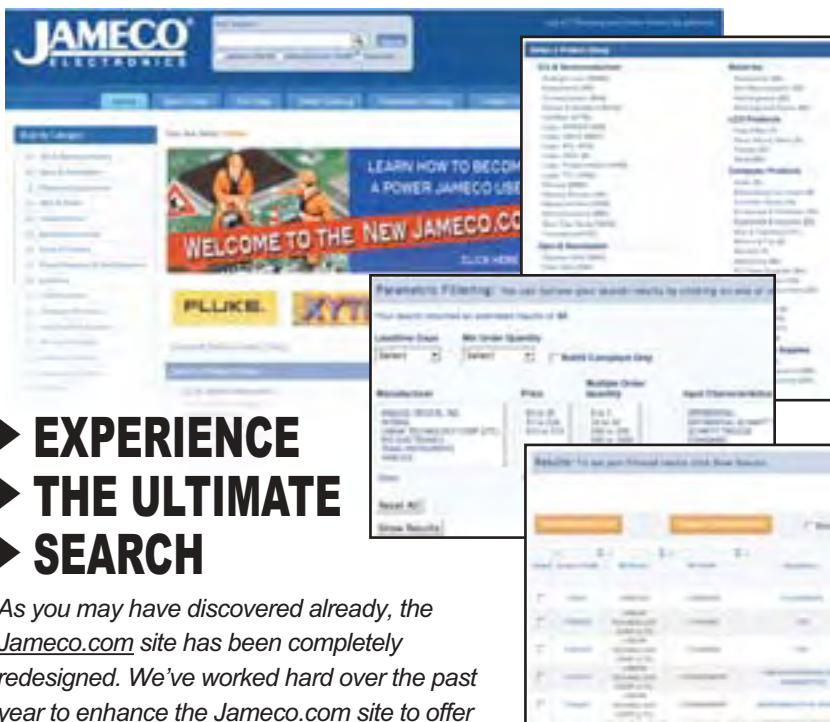
►►► OFFERING YOU THE BEST WARRANTY IN THE INDUSTRY ◀◀◀

If there is a better warranty in the industry, we haven't been able to find it. While our competitors talk about a 30 day guarantee, all Jameco purchases are guaranteed for a full 90 days and even longer for some brands. Here's how it works:

30-Day Returns	If for any reason you aren't happy with your purchase during the first 30 days from the time of shipment, we'll take it back. Just call us.
90-Day Warranty	We warrant all products we sell against manufacturer defects for a full 90 days from the time of shipment. While our competitors will make you hunt down the contact information for the manufacturer, we'll just repair or replace the product. If a product fails after 90 Days, don't hesitate to call us. In most cases we'll be able to honor the original manufacturer's warranty.
One-Year Warranty	All Jameco ReliaPro, ValuePro and BenchPro products are warranted against defects in material or workmanship for a period of one year from the time of shipment.



Jameco makes it easy to get the product quality you expect and we do our best to take the hassle out of returning electronics components. See page 159 for more details or call us at 1-800-536-4316 for more information on the best warranty in the industry.



► EXPERIENCE ► THE ULTIMATE ► SEARCH

As you may have discovered already, the Jameco.com site has been completely redesigned. We've worked hard over the past year to enhance the Jameco.com site to offer you all the tools you need to find the products you are looking for — quickly and easily.

We've already received an overwhelming amount of positive feedback from our customers that the changes to the site are a huge improvement. But we think that the website is even more powerful when combined with the Jameco catalog which is **the industry's first "web-enabled" catalog**.

Every product category in the catalog includes a three – character web code that allows you to jump quickly from the catalog to the Jameco website without having to sift through thousands of products. Go to www.Jameco.com/More and enter the three character code and you'll instantly be presented with the same product category on the web, but with so much more!

Web Code: WYW

The Jameco.com site is built around a powerful search engine that allows for flexible searches and organizes the results in the product categories you've come to expect from the Jameco catalog. You can search on a specification, a part-number or virtually any keyword. Plus, we now give you hundreds of ways to filter, sort, and refine your search so that you can easily compare products and brands.

We proudly carry over a hundred thousand of the industry's most popular electronic components, plus a few surprises.

12X Additional Products | Product Specifications | Photos | Datasheets | Availability

►►► IDENTIFY PRODUCTS EASILY

We've made it easy to identify the products you want. Each page has a color legend helping you identify the product type. **BLUE** highlights indicate franchise-sourced brand-name products, **PURPLE** highlights indicates Jameco's franchised manufacturers, **YELLOW** indicates our Jameco ValuePro, ReliaPro and BenchPro house brands and **GREEN** the factory overruns. Generics and non-franchised brands appear in **WHITE** without color highlighting.

3 LEVELS OF SAVINGS			
FRANCHISE SOURCED	GENERIC	HOUSE BRANDS	FACTORY OVERRUN

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PRICES Prices are effective 10-6-08. Prices and discounts are subject to change without notice.

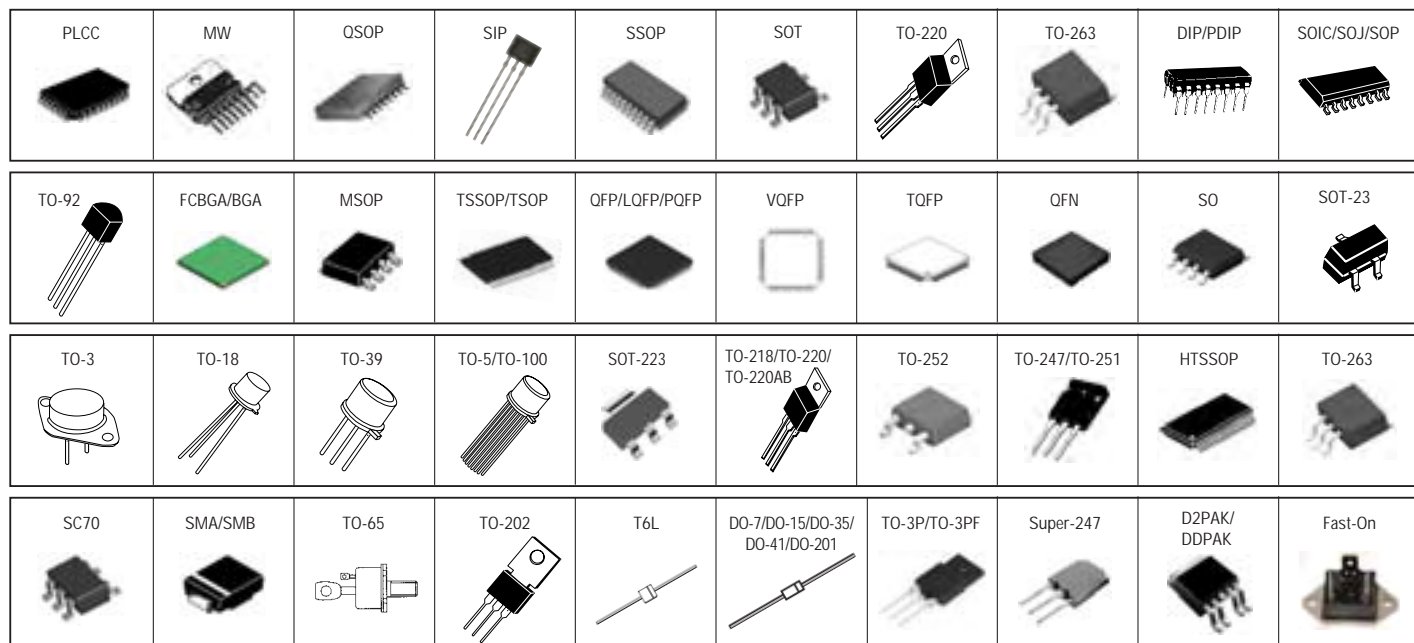
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Microcontrollers

NEW
MARKED IN PINK

QUANTITY
SAVE

★ Web Code: PAV

Part No.	*Mfr.	Cross Ref.	Pkg.	Description	1	25
145111	MCH	PIC16F84-04/P	DIP-18	1k flash, 4MHz, 13 I/O, C-temp	\$6.59	\$4.39
145120	MCH	PIC16F84-10/P	DIP-18	1k flash, 10MHz, 13 I/O, C-temp	7.65	6.55
223790	MCH	PIC12F629-1/P	DIP-8	1k flash, 20MHz, 6 I/O, I-temp	1.65	1.38
223781	MCH	PIC12F675-1/P	DIP-8	1k flash, 20MHz, 6 I/O, I-temp	1.69	1.07
312514	MCH	PIC12F683-1/P	DIP-8	2k flash, 20MHz, 6 I/O, I-temp	2.19	2.05
312531	MCH	PIC16F54-I/P	DIP-18	512 flash, 20MHz, 12 I/O, I-temp	1.29	1.09
193439	MCH	PIC16F627-20/P	DIP-18	1k flash, 20MHz, 16 I/O, C-temp	3.55	2.55
193447	MCH	PIC16F628-20/P	DIP-18	2K flash, 20MHz, 16 I/O, C-temp	3.49	2.85
246756	MCH	PIC16F628-20/P	DIP-18	2k flash, 20MHz, 16 I/O, C-temp	3.35	3.17
223749	MCH	PIC16F630-1/P	DIP-14	1k flash, 20MHz, 12 I/O, I-temp	2.05	1.17
247142	MCH	PIC16F648A-I/P	DIP-18	4k flash, 20MHz, 16 I/O, I-temp	3.59	2.69
223757	MCH	PIC16F676-1/P	DIP-14	1k flash, 20MHz, 12 I/O, I-temp	1.59	1.54
312590	MCH	PIC16F684-1/P	DIP-14	2k flash, 20MHz, 12 I/O, I-temp	2.45	1.62
312611	MCH	PIC16F688-1/P	DIP-14	4k flash, 20MHz, 12 I/O, T-temp	2.25	1.60
312670	MCH	PIC16F737-1/SP	DIP-28	4k flash, 20MHz, 25 I/O, I-temp	6.15	4.43
223765	MCH	PIC16F818-1/P	DIP-18	1k flash, 20MHz, 16 I/O, I-temp	3.39	2.54
223773	MCH	PIC16F819-1/P	DIP-18	2k flash, 20MHz, 16 I/O, I-temp	3.85	2.89
193332	MCH	PIC16F84A-20/P	DIP-18	1k flash, 20MHz, 13 I/O, C-temp	5.59	4.66
246861	MCH	PIC16F84A-20/P	DIP-18	1k flash, 20MHz, 13 I/O, I-temp	6.39	4.79
246879	MCH	PIC16F84A-20/SO	SOIC-18	1k flash, 20MHz, 13 I/O, I-temp	7.19	5.38
246895	MCH	PIC16F870-1/SP	DIP-28	2k flash, 20MHz, 22 I/O, I-temp	4.79	3.59
246941	MCH	PIC16F872-1/SP	DIP-28	2k flash, 20MHz, 22 I/O, I-temp	4.79	2.86
246975	MCH	PIC16F873A-1/SP	DIP-28	4k flash, 20MHz, 22 I/O, I-temp	6.29	4.72
246991	MCH	PIC16F874A-I/P	DIP-40	4k flash, 20MHz, 33 I/O, I-temp	7.39	6.00
193367	MCH	PIC16F876-20/SP	DIP-28	8k flash, 20MHz, 22 I/O, C-temp	5.39	5.35
247011	MCH	PIC16F876A-1/SP	DIP-28	8k flash, 20MHz, 22 I/O, I-temp	7.35	5.51
176882	MCH	PIC16F877-20/P	DIP-40	8k flash, 20MHz, 22 I/O, C-temp	9.29	8.05
247046	MCH	PIC16F877A-I/P	PLCC-44	8k flash, 20MHz, 33 I/O, I-temp	8.95	6.71
247038	MCH	PIC16F877A-I/P	DIP-40	8k flash, 20MHz, 33 I/O, I-temp	7.25	5.29
247097	MCH	PIC16F87-I/P	DIP-18	4k flash, 20MHz, 16 I/O, I-temp	3.85	2.99
312733	MCH	PIC16F88-I/P	DIP-18	4k flash, 20MHz, 16 I/O, I-temp	4.15	3.05
248111	MCH	PIC18F1320-I/P	DIP-18	8k flash, 40MHz, 16 I/O, I-temp	4.89	3.38
312303	MCH	PIC18F2525-1/SP	DIP-28	48k flash, 40MHz, 25 I/O, I-temp	8.89	7.98
247994	MCH	PIC18F252-1/SP	DIP-28	32k flash, 40MHz, 23 I/O, I-temp	8.79	6.59
248049	MCH	PIC18F452-I/L	PLCC-44	32k flash, 40MHz, 34 I/O, I-temp	10.35	9.14
248031	MCH	PIC18F452-I/P	DIP-40	32k flash, 40MHz, 34 I/O, I-temp	9.75	7.31
248057	MCH	PIC18F458-I/P	DIP-40	32k flash, 40MHz, 33 I/O, I-temp	10.69	6.75
145040	MCH	PIC12C508A-04/P	DIP-8	512 OTP, 4MHz, 5 I/O, C-temp	1.49	.99
144258	MCH	PIC12C509A-04/P	DIP-8	1k OTP, 4MHz, 5 I/O, C-temp	1.49	1.09
128338	MCH	PIC16C54A-04/P	DIP-18	512 OTP, 4MHz, 12 I/O, C-temp	1.45	1.09
193341	MCH	PIC16C57C-04/P	DIP-28	2k OTP, 4MHz, 20 I/O, C-temp	3.05	1.97
193359	MCH	PIC16C711-04/P	DIP-18	1k OTP, 4MHz, 13 I/O, C-temp	4.35	2.26
200467	MCH	PIC16C715-04/P	DIP-18	2k OTP, 4MHz, 13 I/O, C-temp	3.95	3.75
248330	ATM	ATMEGA8-16PI	DIP-28	8kB flash, 16MHz, 23 I/O	6.29	5.05
323133	ATM	ATMEGA16-16PI	DIP-40	6kB flash, 16MHz, 32 I/O, I-temp	6.49	4.08
248170	ATM	ATTINY12-8PC	DIP-8	1kB flash, 8MHz, 6 I/O	1.85	1.56
765302	ATM	ATTINY13-20PI	DIP-8	1kB flash, 20MHz, 6 I/O, I-temp	1.39	1.29
689039	ATM	ATTINY2313V-10PU	DIP-20	2k flash, 10MHz, 18 I/O, I-temp	2.19	1.75
1537061	ATM	ATTINY2313-20PU	DIP-20	2k flash, 18 I/O, 20MHz, I-temp	2.25	2.03
847578	ATM	ATTINY2313-20SI	SOIC-20	2k flash, 18 I/O, 20MHz, I-temp	2.09	1.91
248217	ATM	ATTINY26-16PC	DIP-20	2kB flash, 16MHz, 16 I/O	2.09	1.52
699552	NXP	P80C31SBPN	DIP-40	128 x 8 RAM, LV (2.7-5.5V), LP, hi-spd (33MHz)	2.79	2.73
699579	NXP	P80C32SBPN	DIP-40	256 x 8 RAM, LV (2.7-5.5V), LP, hi-spd (33MHz)	2.79	2.22
323141	ATM	ATMEGA8515-16PC	DIP-40	8kB flash, 16MHz, 35 I/O	4.59	3.44
699667	NXP	P87C51SBPN	DIP-40	4k x 8 OTP, LV (2.7-5.5V), LP, hi-spd (33MHz)	2.89	2.73
699675	NXP	P87C52SBAA	PLCC-44	8k x 8 OTP, LV (2.7-5.5V), LP, hi-spd (33MHz)	3.25	2.58
917687	NXP	PCF8583PN	DIP-8	Clock calendar w/ 240 x 8 RAM	3.45	3.14
917716	NXP	PCF8583TD	SOIC-8	Clock calendar w/ 240 x 8 RAM	2.25	1.76
168874	ATM	AT89C2051-24PC	DIP-20	2kB flash, 24MHz, 15 I/O	2.29	1.72
204089	ATM	AT89C4051-24PC	DIP-20	4kB flash, 24MHz, 15 I/O	2.15	1.78
168911	ATM	AT89C51-24JC	PLCC-44	4kB flash, 24MHz, 32 I/O	4.55	4.07
168903	ATM	AT89C51-24PC	DIP-40	4kB flash, 24MHz, 32 I/O	4.95	4.35
168920	ATM	AT89C52-24PC	DIP-40	8kB flash, 24MHz, 32 I/O	3.65	2.95
355830	ATM	AT89S51-24PC	DIP-40	4kB flash, 33MHz, 32 I/O	2.49	1.90

* ATM = Atmel Semi | DAL = Dallas Semi | MCH = Microchip | NXP = NXP/Philips Semi | ZIL = Zilog | ★ Manufacturer Varies

★ For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. [Details on page 159.](#)

3 LEVELS OF SAVINGS
FRANCHISE SOURCED
BRAND NAME
SUPPLIERS VARY
FACTORY OVERRUN

Order by Phone 24/7 at 1-800-831-4242 or Online at www.Jameco.com

Microcontrollers (Continued)

QUANTITY
SAVE

★ Web Code: PAV

Part No.	*Mfr.	Cross Ref.	Pkg.	Description	1	25
220871	ATM	AT89S52-24JI	PLCC-44	8kB flash, 33MHz, 32 I/O, I-temp	\$1.69	\$1.27
662637	★	AT89S52-24PC	DIP-40	8kB programmable flash	2.15	1.62
168946	ATM	AT89C55WD-24PC	DIP-40	20kB flash, 24MHz, 32 I/O	6.59	5.75
114403	DAL	DS80C320-MCG	DIP-40	High speed LP micro	12.09	9.27
204097	ATM	AT89S8252-24PC	DIP-40	8kB flash, 24MHz, 32 I/O	6.95	6.25
1951035	ATM	AT89S8253-24PU	DIP-40	12kB flash, 24MHz, 32 I/O	4.75	4.25

★ Blue Part No. = Limited Quantity Available

KAE Smart Serial Adapter

Serial Converter/Stand Alone Host Controller

- Supports USB or RS232 serial interface
- Up to 32 NMC PIC-SERVO, PIC-STEP, PIC-I/O modules can be controlled from a single smart serial adapter
- RS232 operation supports baud rates from 19,200 to 115,200
- Supports Windows®, LINUX, Mac® OS, and other operating systems
- Maybe used as a stand alone host w/ either the simple sequencer chip or a PIC 18F2620 MCU
- On board connector for MICROCHIP MPLAB ICD2



Part No.	Product No.	Description	Price
1586120	KAE-SSA45-BDV1	Smart serial adapter	\$99.95

★ Digital Signal Processors Available Online — Enter Web Code YDY

Z80 MPUs

★ Web Code: JAF

Part No.	*Mfr.	Product No.	Pkg.	Description	1	10
35561	ZIL	Z80★	DIP-40	2.5MHz CPU (MK3880N/780C)	\$1.95	\$1.65
35596	★	Z80A★	DIP-40	4MHz CPU (MK3880N-4/780C-1)	1.99	1.79
35609	ZIL	Z80A-CTC★	DIP-28	4MHz counter timer circuit (MK3882-4)	2.45	2.19
35625	ZIL	Z80A-DART★	DIP-40	4MHz dual asynchronous receiver/trans	3.49	3.19
35641	ZIL	Z80A-PIO★	DIP-40	4MHz parallel I/O interf. contr. (MK3881-4)	2.19	1.99
35668	★	Z80A-SIO/O★	DIP-40	4MHz serial I/O (Tx/CB & Rx/CB bond.) MK3884-4	2.19	1.79
35705	ZIL	Z80B	DIP-40	6MHz CPU (MK3880N-6)	2.59	2.39
280428	ZIL	Z8018006VSC	PLCC-68	Z180 MPU, MMU, DMA, UART, INTC	8.76	6.57
35781	ZIL	Z84C00-4	DIP-40	4MHz CPU (Z84C0004PEC) CMOS	4.99	4.24
280516	ZIL	Z84C0008PEC	DIP-40	Z80 CPU with 3 mode int., 16 regs.	4.85	3.62
61786	ZIL	Z85C3008PS	DIP-40	Serial communications controller	5.55	4.72

★ Pull = Extra Savings

6500 Series

Please Note: Manufacturer may vary

★ Web Code: NAG

Part No.	Cross Ref.	Pkg.	Description	1	10	100
43191	6502★	DIP-40	CPU, 8-bit, 1MHz	\$5.75	\$4.89	\$4.16
43166	65C02★	DIP-40	CPU, 8-bit, 1MHz	5.95	5.25	4.95
43254	6522★	DIP-40	Versatile interface adapter, 1MHz	4.95	4.49	4.25
43297	6532	DIP-40	RAM I/O timer, 1MHz	7.95	6.99	6.49
43318	6551	DIP-28	Asynch. comm. interface adapter, 1MHz	3.95	3.36	2.52

★ Pull = Extra Savings



6800/68000 CMOS

★ Web Code: SBP

Part No.	Product No.	Pkg.	Description	1	10	100
248604	MC68HC11E1CFN3	PLCC-52	MCU, 8-bit, 38 I/O, 3MHz	\$10.65	\$8.70	\$7.86
248583	MC68HC11F1CFN3	PLCC-68	MCU, 8-bit, 30 I/O, 3MHz	12.75	9.69	8.95
248647	MC68HC705C8ACFN	PLCC-44	MCU, 8-bit, 31 I/O, 4MHz	9.35	8.95	6.71
108919	MC68HC705C8P	DIP-40	MCU, 8-bit, 24 I/O, 4MHz	9.95	8.95	8.02
132530	MC68HC705J1ACP	DIP-20	MCU, 8-bit, 14 I/O, 4MHz	3.85	2.45	2.07
248575	MC68HC711E9CFN2	PLCC-52	MCU, 8-bit, 38 I/O, 2MHz	18.99	16.40	15.30

NEW
MARKED IN PINK

Programming & Customizing PICmicro Microcontrollers

McGraw-Hill Details the features of the PICmicro® and how to use these embedded chips to access and control many different devices. (1190 pages, 2001) Includes: PIC PCB



Part No.	Description	Size	Wt. (lbs.)	Price
183046	PICmicro Programming	9.2" x 7.3"	4.0	\$54.95

6800/68000 N-MOS

★ Web Code: PAG

Part No.	*Mfr.	Cross Ref.	Pkg.	Description	1	10	100
43481	◆	6800★	DIP-40	CPU, 8-bit, 5V, 2MHz	\$6.95	\$5.25	
43502	◆	6802	DIP-40	CPU, 8-bit, 5V, 1MHz	9.85	8.87	
43529	◆	6803★	DIP-40	CPU, 8-bit, 5V, 1MHz	7.79	6.99	
43537	◆	MC6808	DIP-40	CPU, 8-bit, 7V, 1MHz	7.95	7.65	
43545	◆	6809E★	DIP-40	CPU, 8-bit, 7V, 1MHz	4.39	3.99	
320590	◆	68B09E	DIP-40	CPU, 8-bit, 7V, 2MHz	4.75	4.25	
43561	◆	6810	DIP-24	SRAM, 1K-bit, 5V, 1MHz	3.55	3.18	
43596	◆	6821★	DIP-40	Peripheral inter. adptr, 8-bit, 7V, 1MHz	3.95	3.59	
43414	◆	68B21★	DIP-40	Peripheral inter. adptr, 8-bit, 7V, 1MHz	4.95	4.49	
43617	◆	6840	DIP-28	Programmable timer, 16-bit, 5V, 6MHz	2.49	2.25	
43633	◆	6850★	DIP-24	Asynch. comm. int. adptr, 8-bit, 7V, 1MHz	4.39	3.88	
25304	◆	MC68000L8★	DIP-64	CPU, 16-bit, 7V, 8MHz	10.05	8.90	
25291	◆	MC68000L10★	DIP-64	CPU, 16-bit, 7V, 10MHz	9.95	8.95	
25363	MOT	MC68705P3S	DIP-28	MCU, 8-bit, 20 I/O, 4MHz	25.95	23.95	
25371	MOT	MC68705U3S◆	DIP-40	MCU, 8-bit, 20 I/O, 4MHz	26.99	22.99	

★ Pull = Extra Savings ◆ Refurbished = Backed by Jameco

8000 N-MOS

QUANTITY SAVE

Please Note: Manufacturer may vary

★ Web Code: CAH

Part No.	Cross Ref.	Pkg.	Description	1	10	100
51844	8031★	DIP-40	MCU, 8-bit, 32 I/O, 8MHz	\$3.45	\$3.15	\$2.80
102197	8032	DIP-40	CPU, 8-bit, 32 I/O, 12MHz	4.15	3.77	3.41
51861	8035★	DIP-40	CPU, 8-bit, 27 I/O, 11MHz	3.95	3.59	3.25
51959	8039★	DIP-40	CPU, 8-bit, 27 I/O, 6MHz	4.49	3.82	2.86
51983	8049★	DIP-40	CPU, 8-bit, 27 I/O, 6MHz	3.09	2.74	2.49
51991	8051AP★**	DIP-40	MCU, 8-bit, 27 I/O, 11MHz	5.49	4.99	4.49
52046	8080A★	DIP-40	CPU, 8-bit, 32 I/O, 1MHz	5.45	4.79	4.35
52062	8085AH★	DIP-40	CPU, 8-bit, 16 I/O, 3MHz	5.69	5.12	4.55
52071	8085AH-2★	DIP-40	CPU, 8-bit, 16 I/O, 5MHz	5.49	4.99	4.49
52100	8086-2★	DIP-40	CPU, 8-bit, 32 I/O, 8MHz	1.95	1.75	1.59
52142	8088★	DIP-40	CPU, 8-bit, 16 I/O, 5MHz	2.49	2.25	1.99
52169	8088-2★	DIP-40	CPU, 8-bit, 16 I/O, 8MHz	5.95	5.39	4.85
34358	UPD70108-8★	DIP-40	CPU, 8-bit, 16 I/O, 8MHz	10.99	9.34	7.01
52290	8155	DIP-40	I/O port timer, 2K-bit, 3MHz	4.49	3.82	2.87
52302	8155-2★	DIP-40	Static MOS RAM, 2K-bit, 3 I/O, 5MHz	5.95	5.39	4.85
52468	8212★	DIP-24	I/O port timer, 8-bit, 3MHz	6.49	5.99	5.49
52492	8224	DIP-16	Clock generator/driver	2.95	2.49	2.25
52513	8228	DIP-28	System contr./bus driver	3.69	3.19	2.36
52581	8243★	DIP-24	I/O expander, 5V, MIL. temp	5.49	4.94	3.71
52644	8251◆	DIP-28	USART	2.99	2.69	2.39
52652	8251A★	DIP-28	Prog. communications interface	4.09	3.80	3.49
52679	8253★	DIP-24	Prog. interval timer, 2MHz	3.19	2.89	2.59
52687	8253-5◆	DIP-24	Prog. interval timer, 2MHz	4.99	4.49	3.99
52708	8254★	DIP-24	Prog. interval timer, 8MHz	4.79	4.27	3.84
52716	8254-2★	DIP-24	Prog. interval timer, 8MHz	9.19	7.81	5.86
52724	8255★	DIP-40	CPU peripheral, 2MHz	4.49	3.99	3.49
52732	8255A-5★	DIP-40	CPU peripheral, 5MHz	4.89	4.39	3.05
291805	8255AC-5◆	DIP-40	CPU peripheral, 4MHz	5.89	5.30	3.98
52759	8256★	DIP-40	Multi func. pproc. support controller	19.99	17.99	16.19
52775	8259★	DIP-28	Prog. interrupt controller	1.75	1.55	1.45
52783	8259-5★	DIP-28	Prog. interrupt controller	2.49	2.19	1.99
52839	8279★	DIP-40	CPU peripheral, 5MHz	12.99	11.99	10.99
52847	8279-5★	DIP-40	CPU peripheral, 5MHz	12.95	11.69	10.49
52855	8282★	DIP-20	Octal latch bus driver	5.69	4.84	3.63
52871	8284A★	DIP-18	Clock generator/driver, 8MHz	4.95	4.40	3.95
52898	8286	DIP-20	Octal bus transceiver	4.09	3.73	3.38
52901	8287	DIP-20	Octal bus transceiver	10.19	9.26	6.95
53014	8742	DIP-40	MCU, 8-bit, 18 I/O, 12MHz	13.99	11.93	10.51
53022	8748◆	DIP-40	CPU, 8-bit, 27 I/O, 11MHz	15.89	14.32	12.66
53031	8748H◆	DIP-40	CPU, 8-bit, 27 I/O, 11MHz	17.69	16.11	14.44
53057	8749H◆	DIP-40	CPU, 8-bit, 27 I/O, 11MHz	26.39	21.95	17.95
53081	8751H◆	DIP-40	MCU, 8-bit, 32 I/O, 12MHz	21.25	18.06	15.35

* 8049 (ROM not available for use) Tie pin 7 high to bypass the internal ROM to convert 8049 to 8039

** Tie pin 31 low to bypass the internal ROM ★ Pull = Extra Savings ◆ Refurbished = Backed by Jameco

8000 CMOS

QUANTITY SAVE

Please Note: Manufacturer may vary

★ Web Code: BAH

Part No.	Cross Ref.	Pkg.	Description	1	10	100
51676	80C31★	DIP-40	MCU, 8-bit, 32 I/O, 24MHz	\$2.99	\$2.08	\$1.56
108804	80C32-1★	DIP-40	MCU, 8-bit, 32 I/O, 12MHz	4.49	3.85	2.89
51692	80C39★	DIP-40	MCU, 8-bit, 27 I/O, 11MHz	3.59	3.23	2.91
125647	80C52BASIC	DIP-40	MCU, 8-bit, 32 I/O, 12MHz	33.45	32.75	29.47
51705	80C85A-2	DIP-40	CPU, 8-bit, 16 I/O, 5MHz	7.25	6.54	4.91
52193	81C55★	DIP-40	I/O port timer, 2K-bit, 3MHz	4.49	3.60	2.70
52370	82C51A★	DIP-28	USART, 3V to 6V	3.95	3.48	2.61
52388	82C53-5	DIP-24	Prog. interval timer, 8MHz	3.65	3.08	2.31
52396	82C54	DIP-24	Prog. interval timer, 8MHz	5.05	4.78	3.55
52409	82C54-2	DIP-24	Prog. interval timer, 10MHz	4.49	4.05	3.59
52417	82C55A	DIP-40	CPU peripheral, 5MHz	4.99	4.48	3.36
52425	82C55A-5	DIP-40	CPU peripheral, 5MHz	4.59	4.07	3.56
52978	87C51◆	DIP-40	MCU, 8-bit, 32 I/O, 33MHz	21.99	18.68	14.01
196120	P87C51	DIP-40	MCU, 8-bit, 32 I/O, 24MHz	5.09	4.62	4.20

★ Pull = Extra Savings ◆ Refurbished = Backed by Jameco

★ Ethernet Controllers Available Online — Enter Web Code LAE

Voice Chips

★ Web Code: XAU

Single-Chip Voice Record/Playback Devices

- Manual switch or microprocessor controllable
- Directly cascadable for longer durations
- Single voltage operation: +5V (4.5V to 5.5V operating range)
- Typical 100k record cycles, 1µA standby current and 100 year message retention
- Playback can be edge or level-activated • 28-pin DIP



Part No.	Product No.	Description	1	10	50
141671	ISD1110P	Voice record/playback (10 sec.)	\$5.95	\$5.35	\$4.85
141655	ISD25120P	Voice record/playback (120 sec.)	12.95	11.65	10.49

PARALLAX 50MIPS SX Microcontroller

Part No.	Product No.	Description	1	10	100
162931	SX28AC/DP◆	DIP-28 50MIPS SX microcontroller	\$4.99	\$4.89	\$4.79



80C52-Basic Microcontroller

A custom-masked microcontroller with a full-featured 8k-byte ROM-resident BASIC-52 interpreter. 256 x 8-bit RAM.

- Full BASIC interpreter in ROM on a single chip • Operates DC to 12MHz
- "Stand-alone" software development • On-chip oscillator and clock circuit
- Interrupts can be handled by BASIC or Assembly Language

Part No.	Product No.	Description	1	10	100
125647	80C52BASIC	40-pin CPU 8-bit CMOS w/ BASIC interpreter	\$33.45	\$32.75	\$29.47

PARALLAX BASIC Stamp

Ideal for controller applications including robotics, radio-controlled interfaces of a digital camera, and much more. The BS2-IC has 16 I/O lines. Each can be connected directly to buttons, LEDs, registers, and many other TTL level devices.

- Current draw @ 5V: 8mA run/100µA • Volts required: 5-15VDC • 24-pin DIP
- Microcontroller: PIC16C57 • Program speed: 4000/sec. • Size: 1.2"L x 0.6"W

Includes: Embedded BASIC plus instruction sets; basic interpreter, EEPROM (non-volatile), a resonator and 5V regulator

Part No.	Product No.	Description	1	10
130892	BS2-IC◆	See page 124 for Serial LCD Modules	\$48.55	\$43.56

PARALLAX 50MHz BASIC Stamp 2SX Module

- Program execution speed: 10,000 instructions/sec.
- Current draw @ 5V: 60mA run; 200µA sleep
- Volts required: 5-12 VDC • RAM size: 32 bytes
- Scratch pad RAM: 64 bytes • Microcontroller: Ubicom SX28AC

High-Speed Version

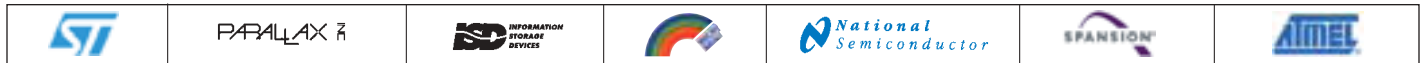


Part No.	Product No.	No. of I/O Pins	1	10
159775	BS2SX-IC 24-pin◆	16 + 2 serial	\$58.39	\$55.49

* MOT = Motorola ◆ Manufacturer Varies

★ For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 159.



PARALLAX BASIC Stamp 2P Modules

In addition to the BS2-SX (pg 4) features, these modules include commands for HD44780 compatible LCDs, Dallas Semiconductor 1-wire and Philips I2C parts.

- Program execution speed: 12,000 instructions/sec.
- RAM size: 38 bytes (12 I/O, 26 variable)
- Current draw @ 5V: 40mA run; 400µA sleep
- Voltage requirements: 5-12VDC
- Scratch pad RAM: 128 bytes

Part No.	Product No.	No. of I/O Pins	1	10
184911	BS2P24-IC 24-pin	16 + 2 serial	\$78.25	\$74.30
184920	BS2P40-IC 40-pin	32 + 2 serial	88.15	83.71

EPROMs

Part No.	*Mfr.	Cross Ref.	Pkg.	Config.	Description	1	10	100
39909	♦	2708	DIP-24	1k x 8	450ns, 5V	\$4.95	\$4.45	\$3.95
33611	♦	TMS2716	DIP-24	2k x 8	450ns, 5V	2.25	1.99	1.79
40002	♦	2716	DIP-24	2k x 8	450ns, 5V	4.15	3.79	3.35
308662	♦	2716A-2	DIP-24	2k x 8	200ns, 5V	4.95	3.95	2.96
40011	♦	2716-1	DIP-24	2k x 8	350ns, 5V	6.49	5.89	5.39
40096	♦	2732	DIP-24	4k x 8	450ns, 5V	7.39	6.25	4.78
39765	♦	27C32	DIP-24	4k x 8	450ns, 5V	6.59	5.94	5.34
40133	♦	2732A-45	DIP-24	4k x 8	450ns, 5V	4.19	3.88	3.45
33591	♦	TMS2532	DIP-24	4k x 8	450ns, 5V	3.99	3.59	3.19
114876	♦	2732B	DIP-24	4k x 8	450ns, 5V	3.95	3.79	3.09
40125	♦	2732A-25	DIP-24	4k x 8	250ns, 5V	4.99	4.49	3.99
40109	♦	2732A-20	DIP-24	4k x 8	200ns, 5V	6.49	5.99	5.49
266001	♦	27C32-150	DIP-24	4k x 8	150ns, 5V	7.35	6.29	5.24
40205	♦	2764-25	DIP-28	8k x 8	250ns, 5V	5.39	5.10	4.84
40248	♦	2764A-25	DIP-28	8k x 8	250ns, 5V	3.99	3.69	3.09
39845	♦	27C64-25	DIP-28	8k x 8	250ns, 5V	3.75	3.35	2.95
40192	♦	2764-20	DIP-28	8k x 8	200ns, 5V	5.89	5.33	4.78
40230	♦	2764A-20	DIP-28	8k x 8	200ns, 5V	4.49	4.09	3.69
74608	♦	27C64-20	DIP-28	8k x 8	200ns, 5V	4.25	3.70	2.80
698349	ST	M27C64A-20F6	FDIP-28	8k x 8	200ns, 5V (±10%)	4.35	4.15	3.80
698322	ST	M27C64A-15F1	FDIP-28	8k x 8	150ns, 5V (±10%)	4.95	4.30	3.21
39829	♦	27C64-15	DIP-28	8k x 8	150ns, 5V	3.95	3.63	3.10
105304	♦	27C64-12	DIP-28	8k x 8	120ns, 5V	3.55	3.29	2.98
266036	♦	27C64-100	DIP-28	8k x 8	100ns, 5V	4.29	3.77	2.83
39933	♦	27128-25	DIP-28	16k x 8	250ns, 5V	4.95	4.45	4.19
39984	♦	27128A-25	DIP-28	16k x 8	250ns, 5V	4.59	4.17	3.76
39685	♦	27C128-25	DIP-28	16k x 8	250ns, 5V	4.25	3.81	3.49
39968	♦	27128A-20	DIP-28	16k x 8	200ns, 5V	4.39	3.90	3.54
101101	♦	27C128-20	DIP-28	16k x 8	200ns, 5V	4.39	3.95	3.56
39950	♦	27128A-15	DIP-28	16k x 8	150ns, 5V	4.05	3.60	3.25
87935	♦	27C128-12	DIP-28	16k x 8	120ns, 5V	4.89	4.16	3.14
266061	♦	27C128-100	DIP-28	16k x 8	100ns, 5V	5.25	4.63	4.20
149665	♦	27C128-70	DIP-28	16k x 8	70ns, 5V	4.95	4.45	3.95
40061	♦	27256-25	DIP-28	32k x 8	250ns, 5V	3.25	3.19	2.99
39731	♦	27C256-25	DIP-28	32k x 8	250ns, 5V	3.85	3.59	3.23
40045	♦	27256-20	DIP-28	32k x 8	200ns, 5V	3.39	2.96	2.69
39722	♦	27C256-20	DIP-28	32k x 8	200ns, 5V	3.15	2.99	2.63
40037	♦	27256-15E	DIP-28	32k x 8	150ns, 5V	3.45	3.25	2.93
39714	♦	27C256-15	DIP-28	32k x 8	150ns, 5V	2.15	1.85	1.65
698111	ST	M27C256B-15F1	FDIP-28	32k x 8	150ns, 5V	3.99	3.45	2.21
65904	♦	27C256-12	DIP-28	32k x 8	120ns, 5V	2.19	2.09	1.88
698091	ST	M27C256B-12F1	FDIP-28	32k x 8	120ns, 5V	3.49	3.10	2.38
698103	ST	M27C256B-12F6	FDIP-28	32k x 8	120ns, 5V	3.49	3.10	2.21
112740	♦	27C256-10	DIP-28	32k x 8	100ns, 5V	2.95	2.80	2.35
698082	ST	M27C256B-10F1	FDIP-28	32k x 8	100ns, 5V	3.09	2.68	1.99
266079	♦	27C256-55	DIP-28	32k x 8	55ns, 5V	4.75	4.15	3.55
39802	♦	27C512-25	DIP-28	64k x 8	250ns, 5V	6.19	5.88	5.59
40150	♦	27512-20	DIP-28	64k x 8	200ns, 5V	2.69	2.39	2.19
39790	♦	27C512-20	DIP-28	64k x 8	200ns, 5V	3.75	3.47	3.11

♦ Refurbished = Backed by Jameco

EPROMs (Continued)

Part No.	*Mfr.	Cross Ref.	Pkg.	Config.	Description	1	10	100
39781	♦	27C512-15	DIP-28	64k x 8	150ns, 5V	\$2.29	\$2.05	\$1.79
698234	ST	M27C512-15F1	FDIP-28	64k x 8	150ns, 5V	3.39	3.17	2.95
39773	♦	27C512-12	DIP-28	64k x 8	120ns, 5V	2.15	2.04	1.53
698226	ST	M27C512-12F1	FDIP-28	64k x 8	120ns, 5V	2.85	2.67	2.55
131959	♦	27C512-10	DIP-28	64k x 8	100ns, 5V	3.19	3.04	2.27
698218	ST	M27C512-10F1	FDIP-28	64k x 8	100ns, 5V	3.59	3.20	2.27
175206	♦	27C512-90	DIP-28	64k x 8	90ns, 5V	2.09	1.74	1.52
698306	ST	M27C512-90F1	FDIP-28	64k x 8	90ns, 5V	2.65	2.59	2.51
698314	ST	M27C512-90F6	FDIP-28	64k x 8	90ns, 5V	3.19	2.79	2.43
203625	♦	27C512-70	DIP-28	64k x 8	70ns, 5V	3.09	2.78	1.97
698251	ST	M27C512-45XF1	FDIP-28	64k x 8	45ns, 5V (±5%)	2.95	2.65	2.35
118148	♦	27C1024-15	DIP-40	64k x 16	150ns, 5V	5.29	4.79	4.39
203641	♦	27C1024-12	DIP-40	64k x 16	120ns, 5V	6.29	6.15	4.55
697987	ST	M27C1001-15F1	FDIP-32	128k x 8	150ns, 5V	3.85	3.41	3.17
697961	ST	M27C1001-12F1	FDIP-32	128k x 8	120ns, 5V	4.25	3.80	2.70
697944	ST	M27C1001-10F1	FDIP-32	128k x 8	100ns, 5V	4.25	3.80	2.70
698007	ST	M27C1001-70F1	FDIP-32	128k x 8	70ns, 5V	3.99	3.34	2.70
39669	♦	27C010-20	DIP-32	128k x 8	200ns, 5V	2.09	1.87	1.54
39651	♦	27C010-15	DIP-32	128k x 8	150ns, 5V	2.35	2.15	1.85
74624	♦	27C010-12	DIP-32	128k x 8	120ns, 5V	2.39	2.25	1.45
79231	♦	27C010-10	DIP-32	128k x 8	100ns, 5V	2.09	1.78	1.34
146149	♦	27C010-70	DIP-32	128k x 8	70ns, 5V	2.65	2.41	2.20
394708	ATM	AT27C010-70PI	DIP-32	128k x 8	70ns, 5V, OTP	1.49	1.40	1.33
266095	♦	27C010-55	DIP-32	128k x 8	55ns, 5V	3.29	2.97	2.82
65699	♦	27C020-15	DIP-32	256k x 8	150ns, 5V	5.29	4.99	4.49
78852	♦	27C020-12	DIP-32	256k x 8	120ns, 5V	4.05	3.84	2.88
156267	♦	27C020-10	DIP-32	256k x 8	100ns, 5V	2.95	2.85	2.65
698031	ST	M27C2001-12F1	FDIP-32	256k x 8	120ns, 5V	5.49	4.72	4.45
698023	ST	M27C2001-10F1	FDIP-32	256k x 8	100ns, 5V	5.45	5.19	4.50
698200	ST	M27C4002-12F1	FDIP-40	256k x 16	120ns, 5V	7.75	7.62	6.81
698197	ST	M27C4002-10F1	FDIP-40	256k x 16	100ns, 5V	7.75	7.62	6.81
127933	♦	27C4096-12	DIP-40	256k x 16	120ns, 5V	6.59	5.60	4.20
85462	♦	27C040-15	DIP-32	512k x 8	150ns, 5V	5.05	4.35	3.75
102293	♦	27C040-12	DIP-32	512k x 8	120ns, 5V	5.05	4.35	3.75
698171	ST	M27C4001-15F1	FDIP-28	512k x 8	150ns, 5V	7.65	6.98	4.65
698154	ST	M27C4001-12F1	FDIP-28	512k x 8	120ns, 5V	6.05	5.42	4.38
698146	ST	M27C4001-10F1	FDIP-28	512k x 8	100ns, 5V	6.05	5.42	4.84
698189	ST	M27C4001-80XF1	FDIP-28	512k x 8	80ns, 5V (±5%)	6.39	5.68	4.59
111780	♦	27C040-10	DIP-32	512k x 8	100ns, 5V	5.05	4.35	3.26
266124	♦	27C040-70	DIP-32	512k x 8	70ns, 5V	5.19	4.70	3.49
140003	♦	27C080-12	DIP-32	1M x 8	120ns, 5V	10.05	9.50	8.50
698357	ST	M27C801-100F1	FDIP-32	1M x 8	100ns, 5V (±10%)	6.79	6.07	5.53
156275	♦	27C080-10	DIP-32	1M x 8	100ns, 5V	7.79	7.40	7.03
203684	♦	27C080-90	DIP-32	1M x 8	90ns, 5V	10.85	9.22	6.92

♦ Refurbished = Backed by Jameco

EPROM Accessory

Part No.	Cross Ref.	Description	1	5
13864	CF2	Conductive foam (12" x 24" x .25") hard black	\$9.75	\$8.77

OTP/PROMs

Part No.	*Mfr.	Cross Ref.	Pkg.	Config.	Description	1	10	100
48717	♦	74S288	DIP-16	32 x 8	256-bit, 5V, 25ns, PROM	\$8.95	\$8.05	\$7.25
27844	♦	N82523	DIP-16	32 x 8	256-bit, 7V, 50ns, PROM	5.99	5.39	4.89
27764	♦	N82S123	DIP-16	32 x 8	256-bit, 7V, 50ns, PROM	11.39	10.92	10.38
48696	♦	74S287	DIP-16	256 x 4	1-kbit, 5V, 30ns, PROM	12.95	11.65	9.95
48805	♦	74S387	DIP-16	256 x 4	1-kbit, 5V, 30ns, PROM	3.15	2.56	2.22
27781	♦	N82S129	DIP-16	256 x 4	1-kbit, 7V, 50ns, PROM	10.55	10.02	8.79
27810	♦	N82S181	DIP-24	1k x 8	8-kbit, 7V, 70ns, PROM	8.95	8.05	6.04
27836	♦	N82S191	DIP-24	2k x 8	16-kbit, 7V, 35ns, PROM	9.15	7.99	7.29

Continued on next page

* ATM = Atmel | ST = ST Micro | ♦ Manufacturer Varies

* For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product

This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Details on page 159.



Order by Phone 24/7 at 1-800-831-4242 or Online at www.Jameco.com

OTP/PROMs (Continued)

*Web Code: WAG

Part No.	*Mfr.	Cross Ref.	Pkg.	Config.	Description	1	10	100
394986	ATM	AT27C256R-45PI	DIP-28	32k x 8	256-kbit, 45ns OTP, LP, I-temp.	\$3.09	\$2.76	\$2.08
266255	+	27C256-15	PLCC-32	32k x 8	256-kbit, 5V, 150ns, OTP	1.15	1.05	.79
395081	ATM	AT27C512R-70PI	DIP-28	64k x 8	512-kbit, 5V, 70ns, I-temp., OTP	2.09	1.99	1.88
203692	+	27C512-12 OTP	DIP-28	64k x 8	512-kbit, 5V, 100ns, OTP	2.29	2.09	1.55
394708	ATM	AT27C010-70PI	DIP-32	128k x 8	1-Mbit, 5V, 70ns, I-temp., OTP	1.49	1.40	1.33

EEPROMs

NEW
MARKED IN PINKQUANTITY
SAVE

*Web Code: GAM

Part No.	*Mfr.	Cross Ref.	Pkg.	Config.	Description	1	10	100
102058	+	93C46	DIP-8	64 x 16	3-wire serial, 2-5V	.33	.30	.22
108855	+	93C56	DIP-8	128 x 16	3-wire serial, 2-5V	.29	.26	.19
200598	+	93C66	DIP-8	256 x 16	3-wire Serial, 2-5V	.35	.33	.28
108847	+	24C04P	DIP-8	512 x 8	2-wire serial, 2-5V	.71	.60	.48
200547	+	24C08-10	DIP-8	1k x 8	2-wire serial, 2-5V	.85	.80	.60
200555	+	24C16-10	DIP-8	2k x 8	2-wire serial, 5V	1.29	1.20	.90
276699	+	28C16	SOIC-24	2k x 8	Page parallel, 5V	2.79	2.29	1.72
74691	+	28C16A-25	DIP-24	2k x 8	Page parallel, 5V	3.99	3.69	3.39
276701	+	28C17	DIP-28	2k x 8	Page parallel, 5V	3.85	3.27	2.45
40416	+	2817A-25	DIP-28	2k x 8	Page parallel, 5V	7.15	6.45	5.85
74827	+	28C64A-25	DIP-28	8k x 8	Page parallel, 5V	4.45	3.80	3.65
40475	+	2865A	DIP-28	8k x 8	5V	4.95	4.49	4.05
200580	+	24C256-10	DIP-8	32k x 8	2-wire serial, 2-5V	2.49	2.35	1.90
74878	+	28C256-25	DIP-28	32k x 8	Page parallel, 5V	7.95	6.96	5.22
74843	+	28C256-15	DIP-28	32k x 8	Page parallel, 5V	8.99	7.65	5.74
845054	ATM	AT28C256-15PI	DIP-28	32k x 8	Page parallel, 5V, I-temp	11.99	11.75	11.39
276832	+	24C512	DIP-8	64k x 8	2-wire serial, 2-5V	2.29	2.15	2.09
276912	+	24C102	DIP-8	128k x 8	2-wire serial, 2-7.5V	6.65	5.18	4.77

MICROCHIP PICDEM™ USB Demo Board

The PICDEM FS USB demonstration kit is designed as an easy-to-use evaluation platform for Microchip's full speed USB solution. The devices in Microchip's new family of USB microcontrollers fully support USB2.0 and serial communications of up to 12Mbps/s. This kit provides all of the hardware and software needed to demonstrate and develop a complete USB communication solution. The microcontroller for the PICDEM board is the PIC18F4550, the principal device of the PIC18F2455/2550/4455/4550 family. All of these devices implement power-saving nano-watt technology, enhanced flash program memory and feature USB modules with:

- Full-speed (12Mbit/s) and low-speed (1.5Mbit/s) operation
- Support of control, interrupt, bulk and isochronous transfers
- On-chip features for a true-single chip USB implementation
- 1kbyte of dual-access RAM for USB
- USB 2.0 compliance
- Interface for off-chip USB transceiver
- Support of up to 32 end points

Part No.	Product No.	Description	1	10	100
697207	DM163025	USB demo board	\$90.49	\$86.99	\$82.64

MICROCHIP PICKIT™ 2 Microcontroller Starter Kit

The PICKIT™ 2 microcontroller programmer is a low cost development programmer. It is capable of programming most of Microchip's Flash microcontrollers. New device support can be added by updating the operating system. The latest firmware is available on Microchip's website. This kit includes PICKIT™ 2 microcontroller programmer, USB cable and CD ROM.

Part No.	Product No.	Description	1	10	100
697338	DV164120	Programmer starter kit	\$83.89	\$79.75	\$69.05

*Interface Controllers Available Online — Enter Web Code HAS

*PC SMBus Available Online — Enter Web Code SAS

♣ This product typically requires one to two additional days to ship. Please request "ship partial" if you prefer the other products on your order ship immediately. A separate shipping charge would apply.

* ALM = Alliance Memory | ATM = Atmel Semiconductor | CPS = Cypress Semiconductor | ♦ Manufacturer Varies

*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

♣ RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 159

5V Boot Block Flash

*Web Code: MEH

Part No.	Product No.	Pkg.	Config.	Description	Temp.	1	10	100
1838260	AM29F040B-90PD	PDIP-32	512k x 8	90ns, 4MB 5V unif. sector	C	\$2.45	\$2.26	\$2.06
1838041	AM29F032B-90EF	TSOP-40	4M x 8	90ns, 32MB, 5V unif. sector	I	11.75	10.94	10.00

*Page Mode Flash Available Online — Enter Web Code BCR

Flash Memory

QUANTITY
SAVE

Please Note: Manufacturer may vary

*Web Code: KAJ

Part No.	Cross Ref.	Pkg.	Config.	Description	1	10	100
74771	28F010-15	DIP-32	128k x 8	150ns, 5V	\$4.95	\$4.35	\$3.95
242587	29F010-120	DIP-32	128k x 8	120ns, 5V	4.75	4.38	3.78
242595	29F010-90	DIP-32	128k x 8	90ns, 5V	6.39	5.21	3.91
242608	29F010-70	DIP-32	128k x 8	70ns, 5V	6.09	5.18	3.89
74835	28F020-15	DIP-32	256k x 8	150ns, 5V	9.55	8.58	7.74
242616	29F020-12	DIP-32	256k x 8	120ns, 5V	5.99	5.86	4.39
242659	29F040-120	DIP-32	512k x 8	120ns, 5V	8.95	8.65	8.25
242667	29F040-90	DIP-32	512k x 8	90ns, 5V	9.05	8.60	6.45

*SDRAMs Available Online — Enter Web Code RAY

Legacy DRAM

Please Note: Manufacturer may vary

*Web Code: AEN

Part No.	Cross Ref.	Pkg.	Config.	Description	1	10	100
41662	4164-150	DIP-16	64k x 1	150ns (MCM6665-15)	\$1.09	\$1.05	\$.95
41574	41464-10	DIP-18	64k x 4	100ns (HY53C464S-10)	1.69	1.65	1.59
41398	41256-120	DIP-16	256k x 1	120ns (MB81256-12)	.73	.62	.47
42315	514256P-80	DIP-20	256k x 4	80ns (UPD424256-80)	2.49	2.25	2.05
93374	514256P-70	DIP-20	256k x 4	70ns (TC514256P-70)	1.95	1.75	1.55
128688	HM514260	SOJ	256k x 16	70ns	3.39	3.05	2.75

* Pull = Extra Savings

Legacy Memory Module

*Web Code: GAG

Part No.	Cross Ref.	Capacity	Description	Config.	Pins	1	10
41751	421000A9B-70	1MB	70ns SIMM	1M x 9	30	\$3.95	\$2.95

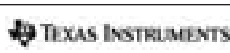
Static RAM

*Web Code: WAF

Part No.	*Mfr.	Cross Ref.	Pkg.	Config.	Description	1	10
38931	+	2111-1	DIP-18	256 x 4	1-Kbit, 5V, 500ns	\$1.69	\$1.55
42198	+	5101*	DIP-22	256 x 4	1-Kbit, 5V, 450ns	7.99	7.19
38957	+	2114N	DIP-18	1k x 4	4-Kbit, 5V, 450ns	2.35	2.05
43238	+	6514	DIP-18	1k x 4	4-Kbit, 5V, 300ns	3.95	3.65
38973	+	2114N-2	DIP-18	1k x 4	4-Kbit, 5V, 200ns	2.49	2.09
38981	+	2114N-2L	DIP-18	1k x 4	4-Kbit, 5V, 450ns, LP	2.25	2.05
38746	+	2016-20	DIP-24	2k x 8	16-Kbit, 5V, 200ns	.87	.80
114260	+	DS1220Y-150	DIP-24	2k x 8	16-Kbit, 5V, 150ns, NV	14.35	12.56
25911	+	MK48Z02B-15	DIP-24	2k x 8	16-Kbit, 5V, 150ns	7.59	7.20
42809	+	6116P-3*	DIP-24	2k x 8	16-Kbit, 5V, 150ns	1.49	1.29
42753	+	6116LP-3*	DIP-24	2k x 8	16-Kbit, 5V, 150ns, LP	1.95	1.75
42796	+	6116P-2*	DIP-24	2k x 8	16-Kbit, 5V, 120ns	1.59	1.39
42788	+	6116P-1	DIP-24	2k x 8	16-Kbit, 5V, 100ns	1.95	1.75
42737	+	6116LP-1	DIP-24	2k x 8	16-Kbit, 5V, 100ns, LP	1.99	1.79
242333	+	CY7C185-35	DIP-28	8k x 8	64-Kbit, 5V, 35ns Async	3.95	3.36
1927473	ALM	AS6C6264-55PCN	PDIP-28	8k x 8	64k LP, 55ns, 2.7-5.5V, C-temp	2.75	2.45
392294	CPS	CY6264-70SNC	SOIC-28	8k x 8	64-Kbit, 5V, 70ns	3.95	3.55
85121	+	6214LP-70	DIP-28	8k x 8	64-Kbit, 5V, 70ns, LP	3.55	3.17
42884	+	6264LP-10*	DIP-28	8k x 8	64-Kbit, 5V, 100ns, LP	2.65	2.49
42921	+	6264P-10*	DIP-28	8k x 8	64-Kbit, 5V, 100ns	2.65	2.09
42892	+	6264LP-12*	DIP-28	8k x 8	64-Kbit, 5V, 120ns, LP	2.99	2.66
42930	+	6264P-12*	DIP-28	8k x 8	64-Kbit, 5V, 120ns	2.65	2.36
114278	+	DS1225AB-15	DIP-28	8k x 8	64-Kbit, 5V, 150ns, NV	15.99	13.59
114307	+	DS1225Y-200	DIP-28	8k x 8	64-Kbit, 5V, 200ns, NV	15.95	14.49
242376	+	CY7C199P-35	DIP-28	32k x 8	256-Kbit, 5V, 35ns, LP Async	1.99	1.75
1927414	ALM	AS6C6256-55PCN	PDIP-28	32k x 8	256k LP, 55ns, 2.7-5.5V, C-temp	2.75	2.45
177113	+	DS1230Y-100	DIP-28	32k x 8	256-Kbit, 5V, 100ns, NV	15.75	14.60
114323	+	DS1230Y-150	DIP-28	32k x 8	256-Kbit, 5V, 150ns, NV	20.25	17.10

* Pull = Extra Savings

Continued on next page



Static RAM (Continued)

*Web Code: WAF

Part No.	*Mfr.	Cross Ref.	Pkg.	Config.	Description	1	10
41970	+	43256-10L*	DIP-28	32k x 8	256-Kbit, 5V, 100ns, LP	\$5.49	\$4.99
41988	+	43256-12L*	DIP-28	32k x 8	256-Kbit, 5V, 120ns, LP	4.99	4.49
75037	+	UM61M256K-15	DIP-28	32k x 8	256-Kbit, 5V, 15ns	3.39	2.99
82472	+	62256LP-70	DIP-28	32k x 8	256-Kbit, 5V, 70ns, LP	4.95	4.50
391793	CPS	CY62256L-70PC	DIP-28	32k x 8	256-Kbit, 5V, 70ns	2.99	2.54
391822	CPS	CY62256LL-70PC	DIP-28	32k x 8	256-Kbit, 5V, 70ns, LP	2.99	2.45
391890	CPS	CY62256LL-70SNC	SOIC-28	32k x 8	256-Kbit, 5V, 70ns, LP	2.99	2.55
42876	+	62256LP-85	DIP-28	32k x 8	256-Kbit, 5V, 85ns, LP	3.29	2.45
42833	+	62256LP-10*	DIP-28	32k x 8	256-Kbit, 5V, 100ns, LP	3.75	2.79
42850	+	62256LP-12*	DIP-28	32k x 8	256-Kbit, 5V, 120ns, LP	3.89	3.49
1927799	ALM	AS7C1026B-12JCN	SOJ-44	64k x 16	1M, 12ns, 5V, C-temp	3.45	3.09
1927457	ALM	AS6C1008-55PCN	PDIP-32	128k x 8	1M LP, 55ns, 2.7-5.5V, C-temp	3.19	2.85
1927748	ALM	AS7C31025B-12JCN	SOJ-32	128k x 8	1M, 12ns, 3.3V, C-temp†	3.45	3.09
391831	CPS	CY62128BLL-70SC	SOIC-32	128k x 8	1-Mbit, 5V, 70ns, LP	3.55	3.19
391996	CPS	CY62128BLL-70ZC	TSSOP-32	128k x 8	1-Mbit, 5V, 70ns, LP	2.85	2.30
279873	+	628128LP-70	SOP-32	128k x 8	1-Mbit, 5V, 70ns, LP	2.49	2.19
131810	+	628128LP-70	DIP-32	128k x 8	1-Mbit, 5V, 70ns, LP	9.95	7.95
103982	+	628128LP-85*	DIP-32	128k x 8	1-Mbit, 5V, 85ns, LP	10.65	7.95
1927617	ALM	AS6C4008-55PCN	PDIP-32	512k x 8	4M LP, 55ns, 2.7-5.5V, C-temp	5.99	5.39
1927625	ALM	AS6C4008-55SIN	SOP-32	512k x 8	4M LP, 55ns, 2.7-5.5V, I-temp	5.49	4.89
157358	+	628512LP-70	DIP-32	512k x 8	4-Mbit, 5V, 70ns, LP	19.59	17.75
280049	+	628512S-70	SOP-32	512k x 8	4-Mbit, 5V, 20ns, Asynch.	6.29	5.69

* Pull = Extra Savings † Center power & ground

PALs & GALs

NEW
MARKED IN PINK

*Web Code: YAD

Part No.	*Mfr.	Cross Ref.	Pkg.	Description	1	10
28020	+	PAL16L8	DIP-20	Octal 16-input AND-OR-INVERT gate array	\$2.39	\$1.93
652615	+	16V8-7	DIP-20	7ns 64 x 32 AND array	3.29	2.82
88399	+	16V8-10*	DIP-20	10ns 64 x 32 AND array	1.99	1.79
37452	+	16V8-15*	DIP-20	15ns 64 x 32 AND array	1.59	1.40
37461	+	16V8-25*	DIP-20	25ns 64 x 32 AND array	1.35	1.16
1427735	LAT	GAL16V8D-15LPN	DIP-20	16ns 64 x 32 AND array	1.99	1.38
105953	ANA	18CV8P-25	DIP-20	25ns 74 x 36 AND array	2.69	2.39
88292	+	20V8-10**	DIP-24	10ns 64 x 40 AND array	2.75	1.98
38658	+	20V8-15**	DIP-24	15ns 64 x 40 AND array	1.85	1.24
105996	ANA	22CV10AP-25	DIP-24	25ns 132 x 44 AND array	2.59	2.35
123801	+	22V10-10	DIP-24	10ns 132 x 44 AND array	5.49	4.99
876951	LAT	GAL22V10D-15LP	DIP-24	15ns 132 x 44 AND array	7.25	6.50
39159	+	22V10-15	DIP-24	15ns 132 x 44 AND array	4.49	3.96
39167	+	22V10-25	DIP-24	25ns 132 x 44 AND array	4.25	3.72

GALs are electrically erasable, CMOS PLDs that can be reprogrammed and can be used in place of numerous PALs

* Replaces PALs: 10H8, 10L8, 10P8, 12H6, 12L6, 12P6, 14H4, 14L4, 14P4, 16H2, 16H8, 16L2, 16L8, 16P2, 16P8, 16R4, 16R8, 16RP4, 16RP6, 16RP8, 14H8, 14L8, 14P8, 16H6, 16L6, 16P6

** Replaces PALs: 18H4, 18L4, 18P4, 20H2, 20H8, 20L2, 20L8, 20P2, 20P8, 20R4, 20R6, 20R8, 20RP4, 20RP6, 20RP8

*CPLDs, FLEX FPGAs Available Online — Enter Web Code SAZ

74AC/ACT Series

NEW
MARKED IN PINK

*Web Code: CDR

Part No.	*Mfr.	Cross Ref.	Pkg.	Description	1	10	100
238887	+	74AC10N	DIP-14	Triple 3-input NAND gate	* \$1.06	\$0.95	
238730	+	74AC139N	DIP-16	Dual 2 to 4 decoder/demux.	.49	.166	.125
238764	+	74AC157N	DIP-16	Quad 2-input multiplexer	.49	.45	.35
211983	+	74ACT08N	DIP-14	Quad 2-input AND gate	.20	.17	.128
266159	+	74ACT08M	SOIC-14	Quad 2-input AND gate	* .15	.112	
212003	+	74ACT32N	DIP-14	Quad 2-input OR gate	.23	.189	.142
212011	+	74ACT74N	DIP-14	Dual D-type positive edge trig flip-flop	.23	.189	.143
239054	+	74ACT174N	DIP-16	Hex D-type flip-flop	.27	.245	.184
212062	+	74ACT245N	DIP-20	Quad bidirectional trans. w/ 3 st. I/O	.33	.279	.207

* Order in multiples of 10

74F Series

NEW
MARKED IN PINK

*Web Code: CEN

Part No.	*Mfr.	Cross Ref.	Pkg.	Description	1	10	100
286993	+	74F02N	DIP-14	Quad 2-input NOR gate	\$0.39	\$0.35	\$0.25
287005	+	74F04N	DIP-14	Hex inverter	* .143	.108	
287013	+	74F08N	DIP-14	Quad 2-input AND gate	.20	.158	.118
287654	+	74F14D	SOIC-14	Hex inverter w/ Schmitt trigger	* .172	.159	
245121	+	74F30N	DIP-14	8-input NAND gate	.43	.36	.27
287638	+	74F32D	SOIC-14	Quad 2-input OR gate	* .153	.115	
287048	+	74F32N	DIP-14	Quad 2-input OR gate	* .165	.144	
245139	+	74F38N	DIP-14	Quad 2-input NAND gate O.C.	.27	.234	.176
287620	+	74F74D	SOIC-14	Dual D-type flip-flop	.25	.217	.154
287056	+	74F74N	DIP-14	Dual D-type flip-flop	.24	.199	.149
287611	+	74F86D	SOIC-14	Quad 2-input OR gate	.26	.215	.161
287064	+	74F86N	DIP-14	Quad 2-input OR gate	.22	.182	.136
287566	+	74F138D	SOIC-16	3 to 8 decoder/demux.	.27	.142	.107
287072	+	74F138N	DIP-16	3 to 8 decoder/demux.	.25	.22	.19
287081	+	74F139N	DIP-16	Dual 1-of-4 decoder/demux.	.24	.195	.146
245163	+	74F148N	DIP-16	8 to 3 line priority encoder	.28	.252	.189
245171	+	74F157AN	DIP-16	Quad 2-input multiplexer	* .085	.077	
282731	+	74F174N	DIP-16	Hex D-type flip-flop w/ master reset	.27	.217	.162
287540	+	74F244D	SOIC-20	Octal buffer/driver w/ 3-st. output	.42	.367	.288
287144	+	74F245N	DIP-20	Quad 2-input multiplexer	.23	.189	.143
283557	+	74F257D	SOIC-16	Quad 2:1 data selector/mux. w/ 3-st	.35	.27	.202
287099	+	74F273N	DIP-20	Octal D-type flip-flop	.44	.374	.281
287494	+	74F373D	SOIC-20	Octal transparent D-type latch w/ 3-st	.36	.292	.22
287216	+	74F574N	DIP-20	Octal D-type flip-flop w/ 3-st	.48	.382	.287
287460	+	74F574D	SOIC-20	Octal D-type flip-flop w/ 3-st	.36	.27	.179

*74AHC/AHCT Series Available Online — Enter Web Code XAA

*74FCT Series Available Online — Enter Web Code KBE

74HC Series

*Web Code: SDJ

Part No.	*Mfr.	Cross Ref.	Pkg.	Description	1	10
873338	ON	MC74HC00AN	PDIP-14	Quad 2-input NAND gate	\$0.31	\$0.274
835219	TI	SN74HC00N	DIP-14	Quad 2-input positive NAND gates	.52	.416
906339	NXP	74HC00N	DIP-14	Quad 2-input NAND gate, I-temp	.35	.32
45161	+	74HC00N	DIP-14	Quad 2-input NAND gate	.30	.26
45188	+	74HC02N	DIP-14	Quad 2-input NOR gate	.32	.24
914611	TI	SN74HC03N	DIP-14	Quad 2-input pos. NAND w/ open-drain, I-temp	.49	.396
914646	TI	SN74HC04DR	SOIC-14	Hex inverter, I-temp	.34	.294
835235	TI	SN74HC04N	DIP-14	Hex inverters	.50	.34
906574	NXP	74HC04N	DIP-14	Hex inverter	.47	.339
45209	+	74HC04N	DIP-14	Hex inverter	.32	.21
250982	TI	SN74HC07N	DIP-14	Hex Inverter	.39	.25
45225	+	74HC08N	DIP-14	Quad 2-input AND gate	.24	.197
45233	+	74HC10N	DIP-14	Triple 3-input NAND gate	.40	.302
835340	TI	SN74HC14N	DIP-14	Hex schmitt-trigger inverters	.46	.333
45364	+	74HC14N	DIP-14	Hex schmitt trigger inverter	.27	.228
907411	NXP	74HC14N	DIP-14	Hex inverting schmitt trigger	.41	.357
45794	+	74HC32N	DIP-14	Quad 2-input OR gate	.29	.252
46130	+	74HC74N	DIP-14	Dual D-type pos. edge trig. F-F w/ clear & preset	.44	.352
46181	+	74HC86N	DIP-14	Quad 2-input Exclusive OR gate	.29	.247
45305	+	74HC125N	DIP-14	Quad bus buffer w/ 3-state outputs	.41	.356
914849	TI	SN74HC126N	DIP-14	Quad bus buffer gates w/ 3-st., I-temp	.47	.356
45321	+	74HC132N	DIP-14	Quad pos. NAND gate w/ Schmitt trig. input	.38	.30
835315	TI	SN74HC138N	DIP-16	3-to-8 line decoders/demultiplexers	.47	.356
45330	+	74HC138N	DIP-16	3-to-8 decoder/demultiplexer	.38	.30
45401	+	74HC154N	DIP-24	4-to-16 line decoder	.79	.67
45487	+	74HC164N	DIP-14	8-bit parallel out serial shift register	.39	.332
251336	TI	SN74HC165N	DIP-16	8-bit parallel load shift register	.49	.346

⊕ Blue Part No. = Limited Quantity Available

Continued on next page

* ALM = Alliance Memory | ANA = Analogix | CPS = Cypress Semiconductor | LAT = Lattice Semiconductor | NXP = NXP/Philips | ON = ON Semi | TI = Texas Instruments | + Manufacturer Varies

*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 159.

Order by Phone 24/7 at 1-800-831-4242 or Online at www.Jameco.com

74HC/HCT, 74LV & 74ALS/LS Series



74HC (Continued)

NEW
MARKED IN PINK

*Web Code: **SDJ**

Part No.	*Mfr.	Cross Ref.	Pkg.	Description	1	10
845927	NXP	74HC165N	DIP-16	8-bit parallel-in/serial-out shift reg.	.49	.35
45495	+	74HC165N	DIP-16	8-bit parallel load shift register	.32	.28
45541	+	74HC192	DIP-16	Presetable synch. 4-bit up/down counter	1.59	1.44
835462	TI	SN74HC244N	DIP-20	Octal buffers & line drivers w/ 3-st. outputs	.59	.44
908220	NXP	74HC244N	DIP-20	Octal buffer/line driver 3-st.	.65	.49
45655	+	74HC244N	DIP-20	Octal buffer/line driver w/ 3-st. output	.45	.38
45671	+	74HC245N	DIP-20	Octal bus trans. w/ 3-state output	.45	.38
251475	TI	SN74HC373N	DIP-20	Octal D-type transparent latches w/ 3-st. out H.O. (TI)	.54	.41
45831	+	74HC373N	DIP-20	Octal D-type transparent latches w/ 3-st. out H.O.	.45	.39
45858	+	74HC374N	DIP-20	Octal edge trig. D-type F-F w/ 3-st. out. flow thru.	.39	.344
109760	+	74HC540N	DIP-20	Octal buffer/line driver w/ 3-st. output	.37	.316
46050	+	74HC541N	DIP-20	Octal buffer/line driver w/ 3-st. output NOR gate	.49	.47
46076	+	74HC573N	DIP-20	Octal transparent D-type latches w/ 3-st. output	.38	.32
46084	+	74HC574N	DIP-20	Octal edge trig. D-type F-F w/ 3-st. out. flow thru.	.40	.314
46105	+	74HC595N	DIP-16	8-bit shift reg. w/ 3-st. output register	.62	.44
251643	TI	SN74HC595N	DIP-16	8-bit shift reg. w/ 3-st. output register	.65	.55
46113	+	74HC688N	DIP-20	8-bit identity comparators	.45	.38
45891	+	74HC4017	DIP-16	Decade ctr/div w/ decoded output	.50	.42
272057	+	74HC4049N	DIP-16	Hex inverting buffer	.45	.378
88102	+	74HC4051N	DIP-16	8-channel analog multiplexer	.35	.29
272129	+	74HC4053N	DIP-16	Triple 2-channel analog multiplexer	.46	.369
822303	TI	CD74HC4511E	DIP-16	BCD-to-7 segment latch/decoder/driver	.78	.59

⊕ Blue Part No. = Limited Quantity Available

74HCT Series

NEW
MARKED IN PINK

*Web Code: **SAG**

Part No.	*Mfr.	Cross Ref.	Pkg.	Description	1	10
44871	+	74HCT00N	DIP-14	Quad 2-input NAND gate	.43	.30
44898	+	74HCT04N	DIP-14	Quad 2-input NOR gate	.32	.269
44901	+	74HCT08N	DIP-14	Quad 2-input AND gate	.33	.277
618046	+	74HCT10N	DIP-14	Triple 3-input NAND gate	.38	.323
898480	TI	CD74HCT14E	DIP-14	CMOS logic hex inverting schmitt trigg., 1-temp	.41	.32
44935	+	74HCT14N	DIP-14	Hex schmitt trigger inverter	.36	.318
45137	+	74HCT74N	DIP-14	Dual D-type pos. edge trig F-F w/ clear & preset	.39	.268
45145	+	74HCT86	DIP-14	Quad 2-input EXCLUSIVE-OR gate	.22	.198
44927	+	74HCT138N	DIP-16	3-to-8 decoder/demultiplexer	.33	.28
63773	+	74HCT139N	DIP-16	2-to-4 decoder/demultiplexer	.44	.343
45022	+	74HCT244N	DIP-20	Octal buffer/line driver w/ 3-st. output	.31	.264
913053	NXP	74HCT245N	DIP-20	Octal bus transceiver, 3-st, 1-temp	.47	.382
45031	+	74HCT245N	DIP-20	Octal bus trans. w/ 3-state output	.65	.42
913336	NXP	74HCT367N	DIP-16	Hex buffer/line driver, 3-st	.69	.525
45090	+	74HCT573N	DIP-20	Octal transparent D-type latch w/ 3-st. output	.43	.42

*74LCX Series Available Online — Enter Web Code **HEN**



74LV Series

*Web Code: **JEN**

Part No.	Product No.	Pkg.	Description	1	5	50
917231	SN74LV14AD	SOIC-14	Hex schmitt trigger inverters	* .172	* .129	

* Order in multiples of 5

*74LVC Series Available Online — Enter Web Code **TEP**

*74LVX Series Available Online — Enter Web Code **YEQ**

*74VHC Series Available Online — Enter Web Code **DEW**

74ALS Series

NEW
MARKED IN PINK

Please Note: Manufacturer may vary

*Web Code: **AFE**

Part No.	Cross Ref. No.	Pkg.	Description	1	10	100
245294	74ALS00AN	DIP-14	Quad 2-input NAND gate	.39	.30	.23
43959	74ALS02N	DIP-14	Quad 2-input NOR gate	.27	.243	.182
245307	74ALS04BN	DIP-14	Hex inverters	.30	.257	.235
44134	74ALS32N	DIP-14	Quad 2-input OR gate	.39	.35	.29
245892	74ALS74AN	DIP-14	Dual D-pos. edge-trig. flip-flop	.39	.30	.225
310295	74ALS244AM	SOIC-20	Octal buffer/driver w/ 3-st.	.39	.33	.249
44100	74ALS251N	DIP-16	1-of-8 line data selector/mux. w/ 3-st.	.53	.441	.333

⬆ This product typically requires one to two additional days to ship. Please request *'ship partial'* if you prefer the other products on your order to ship immediately. A separate shipping charge would apply.

* NXP = NXP/Philips Semiconductor | TI = Texas Instruments | ♦ Manufacturer Varies

74LS Series

QUANTITY SAVE

*Web Code: **NBS**

Part No.	*Mfr.	Cross Ref.	Pkg.	Description	1	10	100
283725	TI	SN74LS00N	DIP-14	Quad 2-input NAND gate	.50	.416	.312
46252	+	74LS00N	DIP-14	Quad 2-input NAND gate	.41	.349	.24
283741	TI	SN74LS02N	DIP-14	Quad 2-input NOR gate	.48	.41	.30
46287	+	74LS02N	DIP-14	Quad 2-input NOR gate	.45	.41	.34
283792	TI	SN74LS04N	DIP-14	Hex inverter	.48	.408	.306
46316	+	74LS04N	DIP-14	Hex inverter	.41	.26	.23
46341	+	74LS05N	DIP-14	Hex inverter (O.C.)	.42	.353	.235
46359	+	74LS06N	DIP-14	Hex inverter buffer/driver (O.C.)	.74	.62	.50
46367	+	74LS07N	DIP-14	Hex buffer/driver (O.C. hi-volt)	.64	.57	.49
295401	TI	SN74LS08N	DIP-14	Quad 2-input AND gate	.49	.412	.228
46375	+	74LS08N	DIP-14	Quad 2-input AND gate	.37	.307	.23
46391	+	74LS09N	DIP-14	Quad 2-input AND gate (O.C.)	.46	.39	.293
46404	+	74LS10N	DIP-14	Triple 3-input NAND gate	.49	.39	.276
46439	+	74LS11N	DIP-14	Triple 3-input AND gate	.49	.37	.264
295460	TI	SN74LS14N	DIP-14	Hex inverter schmitt trigger	.49	.412	.228
46640	+	74LS14N	DIP-14	Hex inverter schmitt trigger	.40	.34	.255
47095	+	74LS20N	DIP-14	Dual 4-input NAND gate	.45	.29	.24
47108	+	74LS21N	DIP-14	Dual 4-input AND gate	.26	.224	.16
47378	+	74LS27N	DIP-14	Triple 3-input NOR gate	.28	.23	.18
47458	+	74LS30N	DIP-14	8-input NAND gate	.36	.302	.167
295515	TI	SN74LS32N	DIP-14	Quad 2-input OR gate	.45	.386	.289
47466	+	74LS32N	DIP-14	Quad 2-input OR gate	.35	.312	.246
295558	TI	SN74LS37N	DIP-14	Quad 2-input NAND gate buffer	.74	.63	.47
47773	+	74LS42N	DIP-14	BCD-to-decimal decoder/driver	1.09	.88	.62
295582	TI	SN74LS47N	DIP-16	BCD-to-7 seg. decoder/drv. (O.C.)	1.12	.81	.70
47790	+	74LS47N	DIP-16	BCD-to-7 seg. decoder/drv. (O.C.)	.99	.73	.62
47811	+	74LS48N	DIP-16	BCD-to-7 seg. decoder/drv.	4.99	4.24	3.18
47992	+	74LS73N	DIP-14	Dual JK F-F w/ clear, center VCG/GND	1.03	.84	.64
295726	TI	SN74LS74AN	DIP-14	Dual D flip-flop	.51	.386	.289
48004	+	74LS74N	DIP-14	Dual D flip-flop	.39	.27	.22
48021	+	74LS75N	DIP-16	4-bit bi-stable latch	.86	.73	.66
48039	+	74LS76N	DIP-16	Dual JK flip-flop w/ preset & clear	.83	.68	.61
48063	+	74LS83N	DIP-16	4-bit binary full adder	2.05	1.81	1.64
295742	TI	SN74LS85N	DIP-16	4-bit magnitude comparator	.91	.68	.52
48071	+	74LS85N	DIP-16	4-bit magnitude comparator	.42	.382	.345
295751	TI	SN74LS86N	DIP-14	Quad EXCLUSIVE-OR gate	.45	.386	.287
48098	+	74LS86N	DIP-14	Quad EXCLUSIVE-OR gate	.38	.328	.236
295769	TI	SN74LS90N	DIP-14	Decade counter	1.55	1.25	.94
48119	+	74LS90N	DIP-14	Decade counter	.99	.87	.75
48143	+	74LS92N	DIP-14	Divide-by-12 counter	1.23	1.11	.79
295822	TI	SN74LS93N	DIP-14	4-bit binary counter	1.55	1.25	.94
48151	+	74LS93N	DIP-14	4-bit binary counter	.95	.85	.75
48178	+	74LS95N	DIP-14	4-bit parallel-access shift reg.	1.75	1.59	1.45
46412	+	74LS107N	DIP-14	Dual JK flip-flop with clear	.88	.84	.62
46421	+	74LS109N	DIP-16	Dual JK pos. edge-trig. flip-flop	.78	.58	.454
46447	+	74LS112N	DIP-16	Dual JK neg. edge-trig. flip-flop	.51	.428	.237
46471	+	74LS122N	DIP-14	Retrig. mono. multivib. comm. CLK	.67	.63	.378
300880	TI	SN74LS123N	DIP-16	Dual mono. multivibrator w/ clear	.71	.54	.405
46480	+	74LS123N	DIP-16	Dual mono. multivibrator w/ clear	.37	.30	.225
46501	+	74LS125N	DIP-14	Quad bus buffer neg. enable 3-st.	.36	.31	.233
46527	+	74LS126N	DIP-14	Quad bus buffer 3-st.	.59	.50	.375
46551	+	74LS132N	DIP-14	Quad 2-input NAND Schmitt trig.	.41	.339	.25
46586	+	74LS136N	DIP-14	Quad EXCLUSIVE-OR gate (O.C.)	.75	.63	.378
301233	TI	SN74LS138N	DIP-16	3-to-8 decoder/demultiplexer	.62	.53	.398
46607	+	74LS138N	DIP-16	3-to-8 decoder/demultiplexer	.52	.423	.322
46623	+	74LS139N	DIP-16	2-to-4 decoder/demultiplexer	.37	.32	.24
46666	+	74LS145N	DIP-16	BCD-to-decimal decoder/drv. (O.C.)	.73	.55	.423
46682	+	74LS148N	DIP-16	8-to-3 priority encoder	.98	.81	.60
46703	+	74LS151N	DIP-16	8-input multiplexer	.45	.349	.269
46720	+	74LS153N	DIP-16	Dual 4-to-1 selector/multiplexer	.48	.457	.307
46738	+	74LS154N	DIP-24	4-to-16 line decoder/demux.	5.15	4.59	3.69
46754	+	74LS155N	DIP-16	Dual 2/4 demultiplexer	.85	.72	.54

* 10 pcs./ **20 pcs. in 74LS series IC cabinet kit, pg 9

Continued on next page

*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

Ⓡ RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 159.



74LS (Continued)

NEW
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SAVE

★ Web Code: NBS

Part No.	*Mfr.	Cross Ref.	Pkg.	Description	1	10	100
815816	TI	SN74LS156N [Ⓡ]	DIP-16	Dual 2-to-4 line decoder/demux.78	.65	.49
46771	★	74LS157N*	DIP-16	Quad 2/1 data selector .....	.56	.428	.237
917038	TI	SN74LS158N [Ⓡ]	DIP-16	Quad 2-to-1 line data selectors/mux. ....	.67	.59	.51
46800	★	74LS160N	DIP-16	Decade countr w/ asynch. clear	2.59	2.49	2.39
46818	★	74LS161N	DIP-16	Synch 4-bit counter .....	.57	.48	.36
46842	★	74LS163N	DIP-16	Fully synch. 4-bit counter .....	.57	.479	.265
46851	★	74LS164N	DIP-14	8-bit serial shift register .....	.52	.40	.30
46877	★	74LS165N	DIP-16	8-bit serial shift register, parallel load .....	.56	.428	.325
46885	★	74LS166N	DIP-16	8-bit parallel shift register .....	.66	.56	.42
46906	★	74LS169N	DIP-16	Synch. binary up/down counter .....	.61	.52	.39
46922	★	74LS173N	DIP-16	4-bit D-type reg. 3-state .....	.90	.78	.391
46931	★	74LS174N*	DIP-16	Hex D flip-flop w/ clear .....	.79	.58	.435
46957	★	74LS175N*	DIP-16	Quad D flip-flop w/ clear .....	.51	.44	.33
46973	★	74LS181N	DIP-24	Arithmetic logic unit/function gen.	2.59	2.16	1.47
46990	★	74LS190N	DIP-16	Synchronous up/down counter	2.95	2.65	2.55
47001	★	74LS191N	DIP-16	Up/down binary counter .....	.67	.55	.45
47010	★	74LS192N	DIP-16	Decade up/down countr w/ clear	3.49	3.05	2.85
301831	TI	SN74LS193N [Ⓢ]	DIP-16	Binary up/down countr w/ clear .....	.79	.68	.51
47036	★	74LS193N*	DIP-16	Binary up/down countr w/ clear .....	.61	.57	.34
301858	TI	SN74LS194N [Ⓢ]	DIP-16	4-bit bi-directional shift register	1.09	1.00	.75
47052	★	74LS194N [Ⓢ]	DIP-16	4-bit bi-directional shift register	1.25	1.04	.78
47124	★	74LS221N	DIP-16	Dual monostable multivibrator .....	.77	.64	.48
47141	★	74LS240N*	DIP-20	Octal invert. line driver 3-st. ....	.70	.60	.45
47167	★	74LS241N	DIP-20	Octal bus/line driver 3-st. ....	.58	.48	.36
815921	TI	SN74LS243N [Ⓡ]	DIP-14	Quad bus transceivers	3.49	3.05	2.21
308312	TI	SN74LS244N [Ⓡ]	DIP-20	Octal driver 3-st. ....	.69	.63	.45
47183	★	74LS244N*	DIP-20	Octal driver 3-st. ....	.53	.444	.333
308321	TI	SN74LS245N [Ⓢ]	DIP-20	Octal bus transceiver 3-st. ....	.85	.65	.358
47212	★	74LS245N [Ⓢ]	DIP-20	Octal bus transceiver 3-st. ....	.64	.48	.36
47247	★	74LS247N [Ⓢ]	DIP-16	BCD-to-7-seg. decoder/drv. (O.C.)	1.00	.85	.64
47327	★	74LS259N	DIP-16	8-bit addressable latch .....	.46	.39	.293
47360	★	74LS266N	DIP-14	Quad EXCLUSIVE-NOR gate (O.C.) .....	.69	.52	.395
47386	★	74LS273N*	DIP-20	Octal D-type flip-flop with clear .....	.67	.63	.51
47407	★	74LS279N	DIP-16	Quad set-rest latches .....	.50	.425	.319
47423	★	74LS283N	DIP-16	4-bit binary full add w/ fast carry .....	.53	.44	.33
47440	★	74LS299N	DIP-20	8-bit univ. shift/storage register	1.45	1.25	.95
47562	★	74LS367N	DIP-16	Hex buffer 3-st. ....	.42	.357	.268
308460	TI	SN74LS373N	DIP-20	Octal D flip-flop 3-st. ....	.78	.66	.495
47600	★	74LS373N [Ⓢ]	DIP-20	Octal D flip-flop 3-st. ....	.64	.49	.39
308478	TI	SN74LS374N [Ⓢ]	DIP-20	Octal D flip-flop edge-trig. 3-st. ....	.78	.66	.495
47634	★	74LS374N [Ⓢ]	DIP-20	Octal D flip-flop edge-trig. 3-st. ....	.54	.465	.349
1944311	★	74LS375P	DIP-16	4-bit bistable latches .....	.75	.59	.39
47669	★	74LS377N	DIP-20	Octal D register common enable .....	.50	.43	.319
47722	★	74LS390N	DIP-16	Dual 4-bit decade counter .....	.80	.66	.495
47731	★	74LS393N	DIP-14	Dual 4-bit binary counter .....	.69	.59	.44
47861	★	74LS540N	DIP-20	Octal invert. buffer/line driver 3-st. ....	.99	.84	.63
47870	★	74LS541N	DIP-20	Octal buffer/line driver 3-st. ....	.67	.63	.378
64418	★	74LS573N	DIP-20	Octal D-type flip-flop latch 3-st.	2.05	1.85	1.55
64426	★	74LS574N	DIP-20	Octal D-type flip-flop edge-trig. 3-st.	2.15	1.89	1.69
103974	★	74LS595N	DIP-16	8-bit serial-to-parallel shift reg. 3-st.	5.55	4.49	3.79
47950	★	74LS645N	DIP-20	Octal bus transceiver 3-st. (O.C.)	1.30	1.11	.83
47984	★	74LS688N	DIP-20	8-bit magnitude comparator	1.45	1.23	.92

*10 pcs./ **20 pcs. in 74LS series IC cabinet kit, above right

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♣ This product typically requires one to two additional days to ship. Please request 'ship partial' if you prefer the other products on your order to ship immediately. A separate shipping charge would apply.

* FSC = Fairchild Semiconductor | TI = Texas Instruments | ★ Manufacturer Varies

★ For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

♻ RoHS compliant product ⓘ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 159.

74LS Series IC Kit

SAVE \$82

Includes: 20-drawer component cabinet (319600), 20 clear plastic drawers (319601), 20 clear dividers (319611), pg 151 and 30 adhesive labels for drawers to identify parts in kit

10 each: 74LS05, 74LS10, 74LS11, 74LS14, 74LS20, 74LS30, 74LS47, 74LS73, 74LS75, 74LS85, 74LS86, 74LS90, 74LS93, 74LS123, 74LS125, 74LS139, 74LS151, 74LS155, 74LS157, 74LS174, 74LS175, 74LS193, 74LS240, 74LS244, 74LS245, 74LS273, 74LS373, 74LS374

20 each: 74LS00, 74LS02, 74LS04, 74LS08, 74LS32, 74LS74, 74LS138

Part No.	Description	Wt. (lbs.)	1	10
84961	420 pcs. 74LS IC kit	6.7	\$135.55	\$123.95
130391	Refill for 84961 (420 pcs.)	2.0	116.99	109.99

* ECL Logic Series Available Online — Enter Web Code RAK

* Tiny Logic Series Available Online — Enter Web Code UES

ON Semiconductor® MC14000 Series

★ Web Code: XDH

Part No.	Product No.	Pkg.	Description	1	10	100
868141	MC14013BCP	PDIP-14	Dual D-type flip-flop .....	.37	.309	.284
792474	MC14511BCPG [Ⓡ]	PDIP-16	BCD-to-7 seg latch/decoder/driver ..	.54	.451	.391
792511	MC14514BCP	PDIP-24	4-bit transparent latch/4-to-16 line dec	1.45	1.32	1.17
870591	MC14543BCP [Ⓢ]	PDIP-16	BCD-to-7 seg latch/dec./driver for LCD	.52	.442	.332
947982	MC14553BCPG [Ⓡ]	DIP-16	3-digit BCD decoder	1.69	1.36	1.18

♣ Blue Part No. = Limited Quantity Available

4000 Series

NEW
MARKED IN PINKQUANTITY
SAVE

★ Web Code: WAA

Part No.	*Mfr.	Cross Ref.	Pkg.	Description	1	10	100
12562	★	CD4001**	DIP-14	Quad 2-input NOR gates .....	.39	.30	.225
675964	★	CD4002	DIP-14	Dual 4-input NOR gates .....	.41	.336	.179
12597	★	CD4007 [Ⓢ]	DIP-14	Dual comp. pair with inverter .....	.42	.336	.252
12634	★	CD4011 [Ⓢ] **	DIP-14	Quad 2-input NAND gates .....	.35	.288	.228
675972	★	CD4012	DIP-14	Dual 4-input NAND gates .....	.36	.33	.295
893443	TI	CD4013BE [Ⓡ]	DIP-14	CMOS dual D-type flip-flop .....	.49	.396	.297
12677	★	CD4013**	DIP-14	Dual D flip-flops with set/reset .....	.41	.34	.255
12722	★	CD4016*	DIP-14	Quad bilateral switches .....	.36	.299	.157
12749	★	CD4017*	DIP-16	Decade counter/divider .....	.39	.35	.32
893611	TI	CD4017BE [Ⓡ]	DIP-16	CMOS counter/divider .....	.47	.356	.267
197296	★	CD4017M	SOIC-16	Decade counter/divider .....	.37	.347	.277
12773	★	CD4018	DIP-16	Presetable divide-by-N counter .....	.47	.40	.30
12802	★	CD4020*	DIP-16	14-stage binary/ripple counter .....	.42	.353	.196
12829	★	CD4021	DIP-16	8-stage static shift register .....	.29	.25	.188
12845	★	CD4023*	DIP-14	Triple 3-input NAND gates .....	.39	.33	.25
12853	★	CD4024 [Ⓢ] *	DIP-14	7-stage binary counter .....	.39	.332	.249
893945	TI	CD4025BE [Ⓡ]	DIP-14	CMOS triple 3-input NOR gate .....	.29	.223	.17
353560	★	CD4026	DIP-16	Decade counter/divider .....	.62	.46	.345
12888	★	CD4027*	DIP-16	Dual JK master-slave flip-flops .....	.40	.34	.27
12909	★	CD4028	DIP-16	BCD-to-decimal decoder .....	.42	.279	.209
12925	★	CD4029	DIP-16	Presetable up/down counter .....	.41	.323	.242
12950	★	CD4040*	DIP-16	12-stage binary/ripple counter .....	.31	.26	.21
197333	★	CD4040M	SOIC-16	12-stage binary/ripple counter .....	.59	.51	.29
12992	★	CD4043	DIP-16	Quad NOR R-S latches tri-state .....	.49	.378	.283
13004	★	CD4044	DIP-16	Quad 3-state NAND R-S latches 3-st. ....	.38	.318	.238
894331	TI	CD4047BE [Ⓡ]	DIP-14	CMOS LP monostable/stable multivibr. l.	* .442	.354	
13055	★	CD4049**	DIP-16	Hex/buffer/converters (inverting) ..	.35	.288	.25
870583	FSC	CD4051BCN [Ⓡ]	DIP-16	Single 8-ch analog mux./demux. ....	.58	.44	.396
894391	TI	CD4051BEX [Ⓡ]	DIP-16	Single 8-ch mux. w/ 3-binary inputs, l. ....	.46	.39	.28
13098	★	CD4051 [Ⓢ] *	DIP-16	Single 8-channel mux./demux. ....	.45	.384	.288
13119	★	CD4052	DIP-16	Diff. 4-channel mux./demux. ....	.41	.34	.255

*10 pcs./ **20 pcs. in 4000 series IC cabinet kit, pg 10 ⓘ Blue Part No. = Limited Quantity Available

Continued on next page

4000 & 7400 Series

3 LEVELS OF SAVINGS			
FRANCHISE SOURCED	BRAND NAME	SUPPLIERS VARY	FACTORY OVERRUN

4000 Series (Continued)

QUANTITY SAVE

★ Web Code: WAA

					* Order in multiples of 10		
Part No.	*Mfr.	Cross Ref.	Pkg.	Description	1	10	100
13127	◆	CD4053	DIP-16	Triple 2-channel mux./demux.	\$.45	\$.369	\$.277
818259	TI	CD4059AE	DIP-24	CMOS programmable divide by N cntr	2.25	1.94	1.43
13151	◆	CD4060	DIP-16	14-stage ripple-carry binary .....	.41	.33	.248
13186	◆	CD4066	DIP-14	Quad bilateral switches .....	.39	.30	.23
13215	◆	CD4067	DIP-24	16-channel analog mux./demux.	1.37	1.14	.91
13231	◆	CD4069	DIP-14	Hex inverters (74C04) .....	.38	.317	.238
818523	TI	CD4070BE1	DIP-14	CMOS quad EXCLUSIVE OR gate, I	.54	.431	.323
13258	◆	CD4070*	DIP-14	Quad exclusive-OR gates (74C86) ..	.38	.302	.227
13274	◆	CD4071*	DIP-14	Quad 2-input OR gates .....	.43	.38	.285
676078	◆	CD4072	DIP-14	Dual 4-input OR gates .....	.38	.257	.185
676086	◆	CD4073	DIP-14	Triple 3-input AND gates .....	.41	.323	.185
676094	◆	CD4075	DIP-14	Triple 3-input OR gates .....	.45	.365	.274
676115	◆	CD4078	DIP-14	Triple 3-input OR gates .....	.45	.365	.274
13354	◆	CD4081	DIP-14	Quad 2-input AND gates .....	.34	.312	.28
676123	◆	CD4082	DIP-14	Dual 4-input AND gates .....	.42	.36	.215
870807	FSC	CD4093BCN	DIP-14	Quad 2-input NAND schmitt trig. ...	.39	.333	.25
818873	TI	CD4093BE	DIP-14	Quad 2-input NAND schmitt trig. ...	.54	.43	.32
13400	◆	CD4093	DIP-14	Quad 2-input NAND schmitt trig. ...	.35	.30	.228
13426	◆	CD4094	DIP-16	8-stage shift-and-store bus reg. ...	.28	.26	.23
895254	TI	CD4503BE	DIP-16	CMOS hex buffer, 3-st, non-inverting	.52	.392	.294
13485	◆	CD4510	DIP-16	BCD up/down counter .....	.39	.30	.225
895377	TI	CD4511BE	DIP-16	CMOS BCD-to-7 seg. latch decoder/drv.	.51	.386	.325
13493	◆	CD4511	DIP-16	BCD-to-7 seg. latch/decoder/driver ...	.62	.49	.37
13522	◆	CD4514	DIP-24	4-bit latch/4-16 line decoder	1.09	.94	.75
13549	◆	CD4516	DIP-16	Binary up/down counter .....	.53	.398	.299
895481	TI	CD4518BE	DIP-16	CMOS dual up countr, hi volt (20V), I	.29	.274	.251
13565	◆	CD4518	DIP-16	Dual BCD up counters .....	.44	.33	.24
13581	◆	CD4520	DIP-16	Dual binary up counters .....	.34	.30	.23
13611	◆	CD4528	DIP-16	Dual monostable multivibrators ...	1.14	.98	.73
13602	◆	CD4526	DIP-16	Divide-by-N counter (binary) .....	.61	.528	.40
676431	◆	CD4532	DIP-16	8-bit priority encoder .....	.39	.30	.225
13653	◆	CD4538*	DIP-16	Dual precision monostable multivib.	.45	.378	.287
13688	◆	CD4541	DIP-14	Oscillator/programmable timer .....	.43	.343	.261
13696	◆	CD4543*	DIP-16	BCD to 7-segment decoder (LCD) ..	.40	.302	.227
13709	◆	CD4553	DIP-16	3-digit BCD counter	2.95	2.66	2.39
13768	◆	CD4584*	DIP-14	Hex schmitt triggers .....	.39	.35	.29
676481	◆	CD40103	DIP-16	8-st. preset. synch. down cntrs (8-bit bi)	.80	.67	.544
785071	FSC	CD40106BCN	DIP-14	Hex schmitt trigger .....	.47	.356	.267
44257	◆	CD40106	DIP-14	Hex inverters Schmitt trig. (74C14)	.49	.465	.42
893241	TI	CD40107BE	DIP-8	CMOS dual 2-input NAND buffer/drvr, I	...	.345	.267

* 10 pcs. in 4000 series IC cabinet kit, below ◆ Blue Part No. = Limited Quantity Available

4000 Series CMOS IC Kit

SAVE \$21

Includes: 20-drawer component cabinet (319600), 20 clear plastic drawers (319601), 20 clear dividers (319611), pg 151 and 30 adhesive labels for drawers to identify parts in kit

10 each: CD4015, CD4016, CD4017, CD4020, CD4023, CD4024, CD4027, CD4040, CD4046, CD4050, CD4051, CD4069, CD4070, CD4071, CD4081, CD4093, CD4511, CD4538, CD4543, CD4584

20 each: CD4001, CD4011, CD4013, CD4049, CD4066

Part No.	Description	Wt. (lbs.)	1	10
84970	300 pcs. 4000 series CMOS IC kit	6.1	\$95.99	\$90.99

7400 Series

QUANTITY SAVE

★ Web Code: XAG

Part No.	*Mfr.	Cross Ref.	Pkg.	Description	1	10	100
910901	TI	SN7400N	DIP-14	Quad 2-input pos. NAND gate.....	\$1.15	\$.97	\$.77
48979	◆	7400N	DIP-14	Quad 2-input NAND gate .....	.97	.82	.66
49007	◆	7401N	DIP-14	Quad 2-input NAND gate (O.C.) ....	.77	.73	.71
49015	◆	7402N	DIP-14	Quad 2-input NOR gate	1.09	.99	.89
49040	◆	7404N	DIP-14	Hex inverters	1.09	.89	.80
49074	◆	7405N	DIP-14	Hex inverters (O.C.) .....	.69	.54	.405

* 10 pcs./** 20 pcs. in 7400 series IC cabinet kit, right

◆ This product typically requires one to two additional days to ship. Please request 'ship partial' if you prefer the other products on your order to ship immediately. A separate shipping charge would apply.

* FSC = Fairchild Semiconductor | TI = Texas Instruments | ◆ Manufacturer Varies

★ For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product

⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Details on page 159.

7400 Series (Continued)

QUANTITY SAVE

★ Web Code: XAG

Part No.	*Mfr.	Cross Ref.	Pkg.	Description	1	10	100
910987	TI	SN7406N	DIP-14	Hex buffer/drivers (O.C. hi-volt) ...	\$.85	\$.79	\$.63
49091	◆	7406N	DIP-14	Hex inverter buffer/driver (O.C.) ...	.68	.60	.45
49120	◆	7407N	DIP-14	Hex buffer/driver (O.C.) .....	.59	.52	.39
49146	◆	7408N	DIP-14	Quad 2-input AND gate	1.49	1.35	1.25
49189	◆	7410N	DIP-14	Triple 3-input NAND gate .....	.77	.70	.50
49402	◆	7413N	DIP-14	Dual 4-input NAND gate schmitt trig.	1.25	1.12	1.01
49437	◆	7414N	DIP-14	Hex inverters schmitt trigger .....	.75	.71	.64
49630	◆	7416N	DIP-14	Hex inverter buffer/drivers (O.C.) ...	1.20	1.01	.60
49728	◆	7417N	DIP-14	Hex buffer/drivers (O.C. hi-volt) ...	1.15	.97	.58
50008	◆	7420N	DIP-14	Dual 4-input NAND gate .....	.99	.84	.63
50227	◆	7430N	DIP-14	8-input NAND gate .....	.62	.58	.435
50235	◆	7432N	DIP-14	Quad 2-input OR gate .....	.98	.84	.66
50374	◆	7442N	DIP-16	BCD-to-decimal decoder	1.69	1.42	1.07
50403	◆	7445N	DIP-16	BCD-to-decimal decoder/driver ...	1.55	1.23	.92
50420	◆	7447N	DIP-16	BCD-to-7 seg. decoder/drv. (L.O.) ...	1.55	1.35	1.05
50526	◆	7472N	DIP-14	JK master/slave flip-flop, AND gate ...	1.95	1.67	1.25
50534	◆	7473N	DIP-14	Dual JK flip-flops with clear	1.95	1.75	1.59
50551	◆	7474N	DIP-14	Dual D flip-flops .....	.79	.68	.51
50577	◆	7475N	DIP-16	4-bit bi-stable latch	2.95	2.55	2.25
50593	◆	7476N	DIP-16	Dual JK flip-flop w/ preset & clear ...	2.95	2.65	2.39
50631	◆	7483N	DIP-16	4-bit binary full adder	2.95	2.65	2.39
50657	◆	7485N	DIP-16	4-bit magnitude comparator	2.15	1.96	1.42
50665	◆	7486N	DIP-14	Quad exclusive-OR gate	1.75	1.59	1.45
50681	◆	7489N	DIP-16	64-bit RAM P 50ns	4.05	3.68	3.44
50690	◆	7490N	DIP-14	Decade counter	2.95	2.65	2.39
50745	◆	7493N	DIP-14	4-bit binary counter	1.75	1.59	1.45
49234	◆	74107N	DIP-14	Dual JK flip-flop with clear .....	.63	.57	.49
49322	◆	74121N	DIP-14	Monostable multivibrator	1.31	1.21	1.05
49357	◆	74123N	DIP-16	Dual retriggerable mono multivib. ...	1.75	1.53	1.15
49373	◆	74125N	DIP-14	Quad bus buffer tri-state	1.39	1.32	1.25
49496	◆	74148N	DIP-16	8 to 3 line octal priority encoder ...	1.24	1.08	.81
49509	◆	74150N	DIP-24	16 to 1 line multiplexer	2.15	2.01	1.68
49525	◆	74151N	DIP-16	8-input multiplexer .....	.75	.63	.472
49550	◆	74153N	DIP-16	Dual 4/1 data selector/multiplexer ...	1.31	1.12	.85
49568	◆	74154N	DIP-24	4 to 16 line decoder/demultiplexer ...	2.69	2.32	1.74
49605	◆	74157N	DIP-16	Quad 2/1 data selector .....	.99	.84	.63
49648	◆	74160N	DIP-16	Decade counter with asynch clear ...	.57	.52	.46
49664	◆	74161N	DIP-16	Synch. 4-bit countr w/ direct clear ...	.83	.77	.69
49672	◆	74163N	DIP-16	Fully synchronous 4-bit counter ...	.95	.89	.59
49681	◆	74164N	DIP-14	8-bit serial shift register .....	.94	.80	.60
49795	◆	74175N	DIP-16	Quad D-type flip-flop with clear ...	1.35	1.29	1.04
49832	◆	74180N	DIP-14	9-bit odd/even parity generatr/checker	2.89	2.46	1.84
49841	◆	74181N	DIP-24	Arithmetic logic unit/function gen. ...	2.95	2.75	2.59
49883	◆	74189N	DIP-16	64-bit RAM tri-state	3.19	2.75	2.17
49904	◆	74191N	DIP-16	Binary up/down counter	2.15	1.82	1.37
49912	◆	74192N	DIP-16	Decade up/down counter w/ clear ...	4.25	3.85	3.49
49939	◆	74193N	DIP-16	Binary up/down counter w/ clear ...	2.79	2.65	2.52
49955	◆	74194N	DIP-16	4-bit bi-directional shift register ...	1.75	1.49	1.12

* 10 pcs./ ** 20 pcs. in 7400 series IC cabinet kit, below

7400 Series IC Kit

Includes:

20-drawer component cabinet (319600), 20 clear plastic drawers (319601), 20 clear dividers (319611), pg 151 and 30 adhesive labels for drawers to identify parts in kit

10 each: 7402, 7405, 7408, 7410, 7414, 7416, 7417, 7420, 7430, 7432, 7438, 7447, 7470, 7485, 74107, 74121, 74123, 74132, 74151, 74153, 74157, 74160, 74174, 74175, 74279

20 each: 7400, 7404, 7406, 7407, 7474

Part No.	Description	Wt. (lbs.)	1	10
84953	350 pcs. 7400 IC kit	6.2	\$179.99	\$161.99



SAVE \$166



74C Series

QUANTITY
SAVE

★ Web Code: RAG

Part No.	*Mfr.	Cross Ref.	Pkg.	Description	1	10	100
44222	♦	74C00N	DIP-14	Quad 2-input NAND gate	\$1.15	\$.91	\$.68
44257	♦	74C14N	DIP-14	Hex inverter Schmitt trig. (CD40106)	.49	.465	.42
44441	♦	74C74N	DIP-14	Dual D-type flip-flop	2.25	1.80	1.35
44361	♦	74C221N	DIP-16	Dual monostable multivibrator	3.65	2.95	2.30
44396	♦	74C373N	DIP-20	Octal D-type flip-flop w/ clear 3-st.	4.65	3.74	2.81
871869	FSC	MM74C922N	DIP-18	16-key encoder	6.15	5.74	5.38
44564	♦	74C922N	DIP-18	16-key keyboard encoder	6.05	5.55	5.15
44572	♦	74C923N	DIP-20	20-key keyboard encoder	8.75	7.44	5.58
44599	♦	74C926N	DIP-18	4-digit CTR w/ mux. D-seg. driver	12.95	10.94	8.29

★ 74CBTLV Series Available Online — Enter Web Code QAK

★ 74AS Series Available Online — Enter Web Code SAK

74S Series

QUANTITY
SAVE

Please Note: Manufacturer may vary

★ Web Code: NCK

Part No.	Cross Ref.	Pkg.	Description	1	10	100
676967	74S04N	DIP-14	Hex Inverter	\$.77	\$.65	\$.488
48557	74S189N	DIP-16	64-bit (16 x 4) RAM tri-state (27S03)	4.75	4.61	3.45
48696	74S287N	DIP-16	1k-bit (256 x 4) PROM tri-state (TBP24S10)	12.95	11.65	9.95
48717	74S288N	DIP-16	256-bit (32 x 8) PROM tri-st. (TBP18S030N)	8.95	8.05	7.25
48805	74S387N	DIP-16	1k-bit (256 x 4) PROM O.C. (TBP24SA10N)	3.15	2.56	2.22
52513	74S428N	DIP-28	System contr./bus driver (8228)	3.69	3.19	2.36
48864	74S472N	DIP-20	4k-bit (512 x 8) PROM tri-st. (TBP28S42N)	12.95	11.65	10.49



Dallas Semiconductor

QUANTITY
SAVE

★ Web Code: QDH

Part No.	Cross Ref.	Pkg.	Description	1	10	100
866584	DS275	DIP-8	Line powered RS-232 transceiver chip	\$5.32	\$4.22	\$3.80
114198	DS1210	DIP-8	NV controller chip	4.55	2.66	2.19
114219	DS1213C	DIP-28	Smart socket	22.45	19.08	14.31
133410	DS1216C	DIP-28	Smart watch/RAM	30.55	25.14	18.59
780220	DS1232+	DIP-8	Micromonitor chip	2.05	1.53	1.45
114331	DS1232LP	DIP-8	Micromonitor chip	1.85	1.34	1.02
697231	DS1243Y-120+	PDIP-28	64k NV SRAM w/ phantom clock	41.59	31.85	28.79
133444	DS1286	DIP-28	Watchdog timekeeper	22.15	16.90	12.67
76646	DS1287	DIP-24	Real time clock chip	8.69	7.38	6.64
176778	DS1302	DIP-8	Trickle charge time keeping	3.19	2.44	1.48
780481	DS1302+	PDIP-8	Trickle charge time keeping chip, C-temp	4.55	3.78	3.61
1194679	DS1307	DIP-8	5V, 64 x 8 serial I2C real time clock, C-temp	3.59	2.79	2.43
114382	DS1620	DIP-8	Digital thermometer and thermostat	5.35	4.42	3.32
865936	DS18B20	TO-92	Prog. resolution 1-wire digital thermometer	4.45	3.89	3.31
865709	DS1821	PR-35	Prog. digital thermostat & thermometer	6.15	4.70	4.10
133452	DS12887	DIP-24	Real time clock chip	6.95	6.25	4.95
1194556	DS12887+	MOD-24	Real time clock, C-temp	7.85	6.26	5.87

★ Pull = Extra Savings ♦ Blue Part No. = Limited Quantity Available

MPU Supervisory

Please Note: Manufacturer may vary

★ Web Code: PAN

Part No.	Cross Ref.	Pkg.	Description	1	10	100
106219	MAX690CPA	DIP-8	Watchdog timer, 4.4V	\$5.65	\$3.50	\$2.65
106227	MAX691CPE	DIP-16	Watchdog timer, 4.65V	6.35	4.28	3.21
106260	MAX1232CPA	DIP-8	Watchdog timer, 4.65V - 4.75V	2.85	1.86	1.39

★ 65LVDS Series Available Online — Enter Web Code UEU

Web Enabled Catalog

Simplify your product search by entering web codes above online at www.Jameco.com/More for additional product listings & specifications.

♦ This product typically requires one to two additional days to ship. Please request 'ship partial' if you prefer the other products on your order to ship immediately. A separate shipping charge would apply.

* FSC = Fairchild Semi | INS = Intersil | MAX = Maxim Semi | NSC = National Semi | NXP = NXP/Philips Semi | TI = Texas Instruments | ♦ Manufacturer Varies

★ For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 159.

RS-232 Drivers/Receivers

NEW
MARKED IN PINK

★ Web Code: EAV

Part No.	*Mfr.	Cross Ref.	Pkg.	Description	1	10
142535	♦	MAX202CPE	DIP-16	5V, 120kbps, w/ 0.1µF ext. caps	\$2.65	\$2.10
244232	♦	MAX202CSE	SOIC-16	5V, 120kbps, w/ 0.1µF ext. caps	1.65	1.38
808000	MAX	MAX202CSE+	SOIC-16	+5V dual RS-232 trans. w/ 0.1µF ext. cap	3.25	2.01
881979	MAX	MAX202CEPE+	DIP-16	+5V RS-232 trans. ±15kV ESD protected	4.05	3.04
244241	♦	MAX202EPE	DIP-16	5V, 120kbps, w/ 0.1µF ext. caps	5.79	5.08
875448	INS	HIN232CP	DIP-16	5V hi spd RS-232 transmitter/receiver	.79	.67
808827	MAX	MAX232ACSE+	SOIC-16	+5V pwrld multi-ch drvtr/recvr, C-temp	5.25	4.13
318959	MAX	MAX232CPE	DIP-16A	5V, 200kbps, multichannel	2.89	1.76
24811	♦	MAX232CPE	DIP-16	5V, 200kbps, multichannel	2.75	2.25
106147	♦	MAX232CWE	SOIC-16	5V, 120kbps, multichannel	2.75	2.55
256401	♦	MAX232DR	SOIC-16	5V, 120kbps, dual driver/receiver	.93	.80
882293	MAX	MAX232ECPE	DIP-16	+15kV ESD-protected, +5V RS-232 trans.	4.15	3.08
106155	♦	MAX232EPE	DIP-16	5V, 120kbps, multichannel	3.85	3.27
903277	TI	MAX232IN	DIP-16	Dual EIA-232 drivers/receivers	.79	.73
698576	TI	MAX232N	DIP-16	Dual EIA-232 drivers/receivers, C-temp	.75	.64
106163	♦	MAX232CPP	DIP-20	5V, 120kbps, multichannel	6.19	4.99
106171	♦	MAX235CPG	DIP-24	5V, 120kbps, multichannel	14.05	11.15
106180	♦	MAX238CNG	DIP-24	5V, 120kbps, multichannel	6.09	4.12
828043	TI	MC1488N	DIP-14	Quad line drivers	.54	.431
23157	♦	DS1488N	DIP-14	15V, quad line driver	.40	.34
16379	♦	DS14C89N	DIP-14	5V, quad line receiver	1.19	1.10
698613	TI	MAX3232CD	SOIC-16	3-5.5V multich RS-232 line drvtr/rec w/ ±15kV ESD	1.49	1.28
276859	♦	MAX3232CDR	SOIC-16	3-5.5V, 1Mbps, ±15kV ESD protected	1.26	1.13
276867	♦	MAX3232CSE	SOIC-16	3-5.5V, 1Mbps, ±15kV ESD protected	3.35	2.02
235301	♦	DS14C232CN	DIP-16	5V, LP, TIA/EIA dual driver/receiver	2.55	1.96
23181	♦	SN75189N	DIP-14	5V, quad line receiver	.25	.233
917273	NXP	MC145406N	DIP-16	EIA-232-D/V.28 drvtr/recvr, C-temp	.87	.81
25099	♦	MC145406P	DIP-16	5-12V, EIA-232-D/V.28 driver/receiver	1.95	1.75

*10 pcs. in Linear series IC cabinet kit, pg 16

RS-422/423/485 Drivers/Receivers

★ Web Code: NBT

Part No.	*Mfr.	Cross Ref.	Pkg.	Description	1	10
299807	♦	LTC485CN8	DIP-8	RS-485 LP transceiver, 5V	\$1.33	\$1.17
244195	♦	MAX1487CP	DIP-8	RS-485/422 LP transceiver, 12V	2.75	1.61
39571	♦	26LS30	DIP-16	RS-422/423 line driver, 5V	2.39	2.05
39589	♦	26LS31	DIP-16	RS-422 quad diff. line driver, 5V	.68	.56
25232	♦	MC3486P	DIP-16	RS-422/423 quad diff. line receiver, 5V	.65	.62
25259	♦	MC3487P	DIP-16	RS-422/423 quad line driver, 5V	.72	.60
144039	NSC	DS3695N	DIP-8	Multipoint RS-422/423 trans, 5V	.95	.85
832931	NSC	DS3696N/NOPB	DIP-8	Multipoint RS-485/422 trans./recr.	2.49	1.85
50956	♦	SN75175N	DIP-16	RS-422/423 quad diff. line receiver, 5V	.96	.74
758364	TI	SN75176AP	DIP-8	RS-422 Differential bus transceiver	.78	.57
891149	NSC	DS75176BN	DIP-8	Multipoint RS-485/422 trans.	1.69	1.23
50964	♦	SN75176BN	DIP-8	RS-422 diff. line bus transceiver, 5V	.65	.55
833109	NSC	DS75176BN/NOPB	DIP-8	Multipoint RS-485/422 trans	1.65	1.20

Interface Series

★ Web Code: RBU

Part No.	*Mfr.	Cross Ref.	Pkg.	Description	1	10
312160	MAX	MAX7219CNG	DIP-24	5V, 8 digit LCD driver	\$9.35	\$6.45
832448	NSC	DS26LS32ACM/NOPB	SOIC-16	Quad differential line receivers	1.75	1.28
243379	♦	MM5453N	DIP-40	3-10V, LCD driver	3.75	3.45
314691	♦	ICL7136CPL	DIP-40	15V, 3 1/2 digit LCD driver	3.95	3.45
241824	♦	MC1489BP	DIP-20	5V, 7-segment LED display driver	3.89	3.26
277940	♦	SN75179BP	DIP-8	5V, diff line driver/receiver	1.08	.91
51027	♦	SN75451AN	DIP-8	7V, dual peripheral AND driver	.36	.27
277974	♦	SN75183N	DIP-14	5V, dual diff line driver	2.05	1.79
51131	♦	SN75492P	DIP-14	5V, HEX digit driver	4.95	4.45



Motor/Display Drivers

★ Web Code: DAD

Part No.	Product No.	Pkg.	Description	1	10	100
25216	MC3479P	DIP-16	7.2-16.5V, stepper motor driver	\$3.79	\$3.22	\$2.55
24230	LM3914N	DIP-18	25V, dot/bar display driver	2.39	2.05	1.94
300003	LM3914N-1	DIP-18	25V, dot/bar display driver	1.95	1.85	1.57
901010	LM3914N-1/NOBP	DIP-18	25V, dot/bar display driver	1.55	1.40	1.31
246625	LM3914V	PLCC-20	25V, dot/bar display driver	3.25	2.59	1.81
24256	LM3915N	DIP-18	25V, dot/bar display driver	2.65	1.94	1.43
901061	LM3915N-1	DIP-18	30B/step, 30db range dot/bar display driver	2.59	1.92	1.29
24272	LM3916N	DIP-18	3-25V, dot/bar display driver	2.39	1.99	1.82
901108	LM3916N-1	DIP-18	25V, dot/bar display driver	2.59	1.94	1.43

★ IEEE-1394 Available Online — Enter Web Code KEN

★ Motion Control Available Online — Enter Web Code DEU



Digital Interface

QUANTITY SAVE

★ Web Code: WBB

Part No.	Product No.	Pkg.	Description	1	10	50
171951	EDE702	DIP-18	Serial LCD interface	\$8.95	\$7.95	\$6.95
321710	EDE707	DIP-28	Octal 7-segment LED display decoder	8.99	7.64	5.73
171969	EDE1144	DIP-18	Keypad encoder	7.95	6.95	5.95
141532	EDE1200	DIP-18	Unipolar stepper motor controller	8.95	7.95	6.95
157526	EDE1204	DIP-18	Bipolar stepper motor controller	7.55	6.35	5.35
321736	EDE2008	DIP-18	Pushbutton debouncer w/ 8-independent chan	5.99	5.09	3.82
321761	EDE2208/P	DIP-18	8-pushbutton momentary to toggle	5.95	5.06	4.55

5000 Series & Clock Chips

QUANTITY SAVE

★ Web Code: RAE

Part No.	*Mfr.	Cross Ref.	Pkg.	Description	1	10	50
32803	♦	TCM5089N	DIP-16	Touch tone generator	\$5.75	\$5.25	\$4.75
26171	♦	MM5450N	DIP-40	LED display driver	3.69	3.45	2.59
27422	♦	LM555CN**	DIP-8	Timer	.29	.23	.20
126797	♦	LMC555CN*	DIP-8	CMOS timer	.66	.61	.458
24328	♦	LM556N*	DIP-14	Dual timer	.82	.60	.45
25101	♦	MC146818*	DIP-24	Real time clock with RAM	10.45	9.45	7.95
10567	ADM	AM9513APC*	DIP-40	Real time clock	39.95	35.95	31.85

*10 pcs./**20 pcs. in Linear series IC cabinet kit, pg 16 ★ Pull = Extra Savings

★ Delay Lines Available Online — Enter Web Code EEU

★ Quick Switches Available Online — Enter Web Code FAH

★ EconoResets Available Online — Enter Web Code YFE

UARTs

QUANTITY SAVE

★ Web Code: MAG

Part No.	*Mfr.	Cross Ref.	Pkg.	Description	1	10	100
43158	♦	6402*	DIP-40	5V CMOS	\$7.49	\$6.42	\$5.99
27570	♦	NS16C450N*	DIP-40	Asynch. comm. element, 5V	2.95	2.59	1.95
27596	NSC	NS16550AN*	DIP-40	Asynch. comm. element, 5V	6.75	5.10	3.85
288809	♦	TL16C550CN	DIP-40	1-channel w/ 16-byte FIFO, 5V	2.79	2.27	1.79

★ Pull = Extra Savings

★ MUX/DEMUXs Available Online — Enter Web Code RAB

Encoders/Decoders

★ Web Code: VAR

Part No.	*Mfr.	Cross Ref.	Pkg.	Description	1	10	100
123730	HOL	HT12E	DIP-18	Encoder, 2.4-12V	\$1.69	\$1.49	\$1.29
123748	HOL	HT12D	DIP-18	Decoder, 2.4-12V	1.69	1.49	1.29
296711	MOT	MC145027P	DIP-16	Decoder, 4.5-18V	2.95	2.65	2.40

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★ For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 159.



Stepper Motor Drivers/Controllers

★ Web Code: GDP

Part No.	Product No.	Pkg.	Description	1	10	100
924545	L293DD	SOIC-20	Push pull 4-ch driver w/ diodes	\$5.29	\$4.50	\$3.38
288067	L297/1	DIP-20	Stepper motor controller, 5V	5.19	4.99	4.46
245403	L298N	MW-15	Dual full-bridge driver, 46V	3.05	2.65	2.45
288091	L6202	DIP-18	DMOS full bridge driver, 48V	5.75	5.43	3.99
288104	L6203	MW-11	DMOS full bridge driver, 48V	9.99	9.32	6.95

KAE Servo and Stepper Motor Controllers

★ Web Code: YBC

Controllers operate from standard 8-bit serial interface (RS232 or RS485). Using RS485, any mix of up to 32 controllers may be operated from a single serial port. Complete documentation.



175901: PIC-STEP Motion Control Chip for Stepper Motors

- Step rates up to 50,000 steps/sec. – suitable for use with microstepping drivers
- Trapezoidal positioning and profiled velocity modes
- Programmable current limits automatically switch between holding and running currents
- Programmable accelerations and minimum step rates

323934: PIC-SERVO SC Servo Motion Control I.C.

- For DC motors (brush or brushless w/ incremental encoder feedback)
- Serial interface connects to RS232/485/422 communication port
- Position control, velocity control, trapezoidal profiling, plus step and direction inputs

Part No.	Product No.	Package	1	10	50
175901	KAE-T3V1-DP	DIP-28, 0.3"	\$25.49	\$21.53	\$20.50
323934	KAE-T0V10-DP	DIP-28, 0.3"	32.95	30.25	28.33

★ Analog Switches Available Online — Enter Web Code VBN

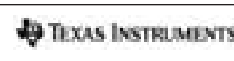
A/D & D/A Converters

NEW MARKED IN PINK

QUANTITY SAVE

★ Web Code: QAG

Part No.	*Mfr.	Cross Ref.	Pkg.	Description	1	10	100
277131	MAX	MAX110BCPE	DIP-16	A/D, 14-bit, 5V, 50sps, 2-ch	\$10.95	\$8.95	\$7.65
761248	TI	TLC549IP	DIP-8	A/D, 8-bit w/ serial control	2.35	1.87	1.81
10145	♦	ADC0803LCN	DIP-20	A/D, 8-bit, 5V, 9.1Ksps, 1-ch	4.29	3.65	2.74
10153	♦	ADC0804LCN	DIP-20	A/D, 8-bit, 5V, 9.1Ksps, 1-ch	2.09	1.84	1.46
828342	NSC	ADC0804LCN/NOBP	DIP-20	A/D, 8-bit μ P compatible (± 1 LSB)	2.89	2.27	1.66
886323	NSC	ADC0804LCWM	SOIC-20	A/D, 8-bit μ P compatible (± 1 Bit)	2.49	2.12	1.59
10170	♦	ADC0808CCN	DIP-28	A/D, 8-bit, 5V, 9.1Ksps, 8-ch	4.39	3.99	3.09
10188	♦	ADC0809CCN	DIP-28	A/D, 8-bit, 5V, 9.1Ksps, 8-ch	3.85	3.08	2.31
10225	♦	ADC0820CCN	DIP-20	A/D, 8-bit, 5V, 1.5 μ s	3.19	2.41	2.16
831066	NSC	ADC0820CCN/NOBP	DIP-20	A/D, 8-bit hi-spd μ P, w/ track/hold	3.25	2.89	2.17
116100	♦	ADC0831CCN	DIP-8	A/D, 8-bit, 5V, 32 μ s	1.99	1.66	1.25
831171	NSC	ADC0831CCN/NOBP	DIP-8	A/D, 8-bit, 5V, 32 μ s	2.19	1.58	1.40
889057	NSC	ADC0834BCN	DIP-14	A/D, 8-bit serial I/O w/ mux	3.35	2.84	2.13
1252488	NSC	ADC08382CN/NOBP	DIP-20	A/D, 8-bit serial, 5V, 32 μ s	2.65	2.05	1.55
43748	♦	7106CPL	DIP-40	A/D, 3 1/2-digit LCD/LED, 9V	2.59	2.21	1.65
43756	♦	7107CPL	DIP-40	A/D, 3 1/2-digit LCD/LED, ± 5 V	2.95	2.40	2.05
875683	INS	ICL7107CPL	DIP-40	A/D, 3 1/2-digit LCD/LED, 6V	3.29	3.06	2.87
290263	♦	ICL7135CPI	DIP-28	A/D, 4 1/2-digit BCD output, 5V	5.55	4.53	3.40
287363	ADI	AD7714AN	DIP-24	A/D, 24-bit, 5V, 1-2.5MHz, 6-ch	17.95	17.22	16.95
1795108	ADI	AD9240ASZ	PQFP-44	A/D, 14-bit, flash method, parallel	40.55	36.18	34.37
1944581	SAM	KDA0408	DIP-42	D/A, 8-bit, 5V, 60Mps, triple	5.55	4.53	3.40
115158	♦	AD558JN	DIP-16	D/A, 8-bit, 5-15V, 1-5-3 μ s, 1-ch	13.69	10.88	9.05
14904	NSC	DAC0800LCN	DIP-16	D/A, 8-bit, 4.5-18V, 150ns	1.59	1.20	.89
14947	NSC	DAC0808LCN	DIP-16	D/A, 8-bit, 4.5-18V, 150ns	1.65	1.26	.66
128186	NSC	DAC0832LCN	DIP-20	D/A, 8-bit, 5-15V, 1 μ s	3.15	2.41	1.81
290976	TI	TLV5628CN	DIP-16	D/A, 8-bit, 3V, 1MHz, 8-ch	4.62	4.10	3.07
296690	♦	AD7226KN	DIP-20	D/A, 8-bit, 2-12.5V, 4 μ s, 4-ch	18.19	17.17	15.95
824561	TI	TLC7226CN	DIP-20	D/A, Quad 8-bit	5.59	5.17	3.88
290052	TI	TLC7524CN	DIP-16	D/A, 8-bit, 5-15V, 100ns	3.25	2.59	1.92



Linear Voltage Reference

Part No.	Product No.	Pkg	Description	1	10	100
1727746	LT1021DCN-8.5	DIP-8	Precision reference	\$4.95	\$4.75	\$4.58

Texas Instruments Power Mgmt. Volt. Ref.

Part No.	Product No.	Pkg.	Description	1	5	100
827155	LM4041C12IDBZT	SOT-23/3	1.2V precision micropower shunt volt. ref.	\$1.32	\$1.13	\$.94

*More Voltage References Available Online — Enter Web Code TBD

*DC-DC Controllers Available Online — Enter Web Code VFL

Simple Switcher Volt. Reg.

Part No.	*Mfr.	Product No.	Pkg./Pins	Description	1	10	100
156566	+	LM2574N-5	DIP-8	Step-down 5-voltage regulator	\$1.55	\$1.39	
835884	NSC	LM2574N-ADJ/NOPB	DIP-8	500mA, adjustable step-down volt. reg.	1.39	1.25	
279638	NSC	LM2575HVT-5.0	TO-220	Switcher 1A step-down V-reg, hi Vin range	3.95	3.74	
836001	NSC	LM2575S-5.0/NOPB	TO-263/5	Simple switcher 1A step-down volt. reg.	1.99	1.52	
894534	NSC	LM2575T-5.0/NOPB	TO-220/5	Simple switcher 1A step-down volt. reg.	1.95	1.42	
894500	NSC	LM2575T-5.0/LB03	TO-220/5	1A, 5V step-down voltage regulator	2.95	2.35	
836078	NSC	LM2575T-ADJ/NOPB	TO-220/5	Simple switcher 1A step-down volt. reg.	1.95	1.41	
192372	+	LM2576HVT-ADJ	TO-220/5	Switcher 3A step-down V-reg, high Vin range	5.19	3.83	
245569	+	LM2576T-5.0	TO-220/5	Simple switcher 3A step-down voltage reg.	2.59	2.07	
894817	NSC	LM2576T-5.0/LB03	TO-220	Simple switcher 3A step-down, I-temp	3.05	2.41	
120977	+	LM2576T-ADJ	TO-220/5	Simple switcher 3A step-down voltage reg.	2.55	1.88	
310391	NSC	LM2596S-5.0	TO-263/5	Simple switcher 3A step-down voltage reg.	4.25	3.61	
1298751	NSC	LM2675M-5.0/NOPB	SOIC-8	Pwr. conv. hi-eff 1A step-down volt. reg.	3.95	3.01	

Low Drop-Out Voltage Regulators

Part No.	*Mfr.	Cross Ref.	Pkg./Pins	Description	1	10	100
299743	NSC	LM1084IT-ADJ	TO-220	5A low dropout adj. pos.	\$2.39	\$1.85	\$1.35
299735	NSC	LM1084IT-3.3	TO-220	5A low dropout 3.3V pos.	3.09	2.33	1.63
282757	+	LT1085CT	TO-220	3A low dropout adj./fixed pos.	1.49	1.35	1.01
192305	+	LM1086CT-3.3	TO-220/3	1.5A low dropout pos. (3.3V)	1.20	.89	.79
192313	+	LM1086CT-5.0	TO-220/3	1.5A low dropout pos. (5V)	1.95	1.51	.90
835631	NSC	LM1086CT-ADJ/NOPB	TO-220/3	1.5A adj. LDO pos, C-temp	1.65	1.52	1.30
251782	NSC	LM1117MPX-ADJ	SOT-223/3	800mA low dropout linear	.78	.66	.50
242114	+	LM1117T-3.3	TO-220/3	800mA, 3.3V, LDO	.83	.76	.68
314326	ANA	AP1184K5L	TO-263/5	4A ultra LDO adj. reg.	2.95	2.45	1.95
897188	NSC	LM2937ET-3.3	TO-220	500mA, 3.3V LDO, I-temp	2.45	1.81	1.32
297810	NSC	LM2937ET-5.0	TO-220	500mA, 5V LDO	2.05	1.51	1.13
107182	+	LM2940CT-5	TO-220/3	5V LDO reg. (max. 45Vin)	1.39	1.05	.77
897381	NSC	LM2940CT-5.0/NOPB	TO-220/3	1A, 5V LDO pos	1.26	.94	.78
192495	+	LM2940CT-12	TO-220/3	12V LDO reg. (max. 45Vin)	1.49	1.46	1.34
837505	NSC	LM2940T-5.0/NOPB	TO-220	1A, 5V LDO, I-temp	1.79	1.34	.99
121064	+	LM2941CT	TO-220/5	1A LDO adjustable (45Vin)	1.55	1.12	.84
1944880	+	LP2950ACN	TO-92	100mA adj. LDO volt. reg.	.39	.29	.19
266757	+	LP2950CZ-5.0	TO-92	100mA low pwr. LDO	.84	.63	.328
1315492	ON	LP2951CN-3.0	DIP-8	3V, 100mA LP LDO (I-temp)	.59	.49	.35
192524	+	LM3940IT-3.3	TO-220/3	1A LDO for 5V to 3.3V	1.95	1.46	1.09
252241	+	MIC29152BU	TO-263/5	High current LDO	2.19	2.13	1.45

Voltage Regulators

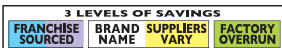
Part No.	*Mfr.	Cross Ref.	Pkg.	Description	1	10	100
23499	+	LM309K	TO-3/2	5V, 1A (0°C to +125°C)	\$5.89	\$5.01	\$3.76
192268	+	LM317AT	TO-220/3	3-terminal adj. (1.2V-37V)	1.75	1.25	.95
837898	NSC	LM317AT/NOPB	TO-220	3-term. 1.5A output adj pos, I-temp	1.10	.82	.76
898359	NSC	LM317EMP	SOT-223/4	3-term. 1A output adj pos, C-temp	.61	.58	.55
192276	+	LM317HVT	TO-220/3	3-term. 1A output adj. (1.2V-57V)	1.99	1.68	1.26
837927	NSC	LM317HVT/NOPB	TO-220	3-term. 1A output adj pos, C-temp	1.79	1.32	1.16

⬆ This product typically requires one to two additional days to ship. Please request 'ship partial' if you prefer the other products on your order to ship immediately. A separate shipping charge would apply.

* ANA = Anachip | FSC = Fairchild Semi | NSC = National Semi | ON = ON Semi | ST = ST Micro | + Manufacturer Varies

*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

⬆ RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 159



Order by Phone 24/7 at 1-800-831-4242 or Online at www.Jameco.com

Voltage Regulators (Continued)

*Web Code: TAC

Part No.	*Mfr.	Cross Ref.	Pkg./Pins	Description	1	10	100
23544	+	LM317K	TO-3/2	1.5A adj. pos. (1.2V-37V)	\$2.35	\$2.15	\$1.77
23552	+	LM317LZ	TO-92	100mA adj. pos. (1.2V-37V)	.46	.328	.261
898543	NSC	LM317LZ/NOPB	TO-92	Adjustable, 100mA positive	.37	.279	.242
23579	+	LM317T	TO-220/3	1.5A adj. pos. (1.2V-37V)	.45	.39	.293
898800	NSC	LM317T/NOPB	TO-220	Adjustable, 1.5A positive	1.01	.94	.88
23667	+	LM323K	TO-3/2	5V 3A positive	3.05	2.89	2.41
296841	+	LM337LZ	TO-92	3-terminal adj. neg.	.90	.69	.50
23819	+	LM337T	TO-220/3	1.5A/adj. neg. (-1.2V-37V)	.59	.55	.44
899520	NSC	LM337T/NOPB	TO-220	1.5A adjustable negative	1.35	1.00	.92
23835	+	LM338K	TO-3/2	5A adj. pos. (1.2V-32V)	5.69	4.47	3.74
192284	+	LM338T	TO-220/3	5A adjustable	2.39	1.78	1.19
838621	NSC	LM338T/NOPB	TO-220	5A adjustable positive	2.09	1.60	1.50
900017	NSC	LM340T-5.0	TO-220	5V, 1A positive, I-temp	1.02	.91	.83
838831	NSC	LM340T-15.0/NOPB	TO-220	3-terminal 15V pos, C-temp	1.03	.77	.71
23931	+	LM350K	TO-3/2	3A/3 term. adj. pos. (1.2V-33V)	4.85	4.57	4.15
23940	+	LM350T	TO-220/3	3A adjustable power	1.09	.89	.67
24467	+	LM723CN	DIP-14	Voltage regulator (2V-37V)	.61	.49	.37
301719	+	LM723H	TO-5	2V - 37V, 150mA adj.	5.39	4.56	3.42
298071	+	MAX755CSA	SOIC-8	-5V/adj., neg., invert, curr. mode PWM	2.89	2.44	1.85
107166	NSC	LM2936Z-5	TO-92	Ultra-low quiescent current 5V	2.59	1.93	1.45
51246	+	7805K	TO-3/2	5V 1A pos. (LM340K-5)	5.15	3.95	2.95
51262	+	7805T	TO-220/3	5V 1A pos. (LM340T-5)	.35	.32	.28
924570	ST	L7805ACV	TO-220	5V, 1.5A pos.	.71	.56	.42
924609	ST	L7805CT	TO-3	5V, 1.5A pos.	2.69	2.57	1.87
924633	ST	L7805CV	TO-220	5V, 1.5A pos.	.59	.47	.35
902071	NSC	LM7805CT	TO-220	5V, 1A positive	.98	.92	.86
786138	FSC	LM7805CT_NL	TO-220	5V, 1A pos., I-temp	.64	.54	.40
797267	ON	MC7805ACTG	TO-220/3	5V, 1A pos., C-temp	.48	.426	.333
876109	ON	MC7805BT	TO-220	5V, 1A pos., I-temp	.48	.432	.363
876125	ON	MC7805BTG	TO-220/3	5V, 1A pos., I-temp	.31	.255	.236
876221	ON	MC7805CT	TO-220	5V, 1A pos., C-temp	.43	.416	.374
876248	ON	MC7805CTG	TO-220/3	5V, 1A pos., C-temp	.32	.26	.195
51182	+	78L05CZ	TO-92	5V 100mA pos.	.29	.26	.25
889428	ST	L78L05ACZ	TO-92	5V, 100mA pos.	.53	.423	.318
902291	NSC	LM78L05ACZ	TO-92	5V, 100mA positive	.72	.52	.377
973831	FSC	LM78L05ACZ_NL	TO-92	5V, 100mA pos., I-temp	.24	.216	.194
1303290	NSC	LM78L05ACZ/NOPB	TO-92	3-terminal 5V, 100mA pos	.71	.52	.37
192233	+	78M05	TO-220/3	5V 500mA pos.	.23	.21	.20
902514	NSC	LM78M05CDT/NOPB	TO-252	3-terminal 5V positive	.74	.69	.65
797566	ON	MC78M05CTG	TO-220/3	5V, 500mA pos., C-temp	.55	.50	.375
51297	+	7806T	TO-220/3	6V 1A pos. (LM340T-6)	.43	.386	.227
797304	ON	MC7806ACT	TO-220/3	6V, 1A pos., C-temp	.54	.432	.324
51300	+	7808T	TO-220/3	8V 1A pos. (LM340T-8)	.56	.36	.27
840886	NSC	LM7808CT/NOPB	TO-220	8V, 1A positive, I-temp	1.23	1.09	.95
876791	ON	MC78L08ACPG	TO-92/3	8V, 100mA pos., C-temp	.38	.317	.23
876352	ON	MC7809CT	TO-220/3	9V, 1A pos., C-temp	.56	.466	.373
192225	+	78L09ACZ	TO-92	9V 100mA pos.	.21	.18	.135
51318	+	7812K	TO-3/2	12V 1A pos. (LM340K-12)	2.19	1.80	1.35
51334	+	7812T	TO-220/3	12V 1A pos. (LM340T-12)	.35	.32	.24
889305	ST	L7812CV	TO-220	12V, 1.5A pos.	.59	.47	.35
902127	NSC	LM7812CT	TO-220	12V, 1A positive	1.05	.90	.85
876395	ON	MC7812BTG	TO-220	12V, 1A pos., I-temp	.48	.441	.333
876441	ON	MC7812CTG	TO-220/3	12V, 1A pos., C-temp	.43	.372	.294
51203	+	78L12	TO-92	12V 100mA pos.	.12	.12	.09
902389	NSC	LM78L12ACZ	TO-92	3-terminal 12V positive	.50	.35	.29
192241	+	78M12	TO-220/3	12V 500mA pos.	.25	.22	.199
871658	FSC	MC78T12CT	TO-220	12V, 3A pos., I-temp	1.13	.93	.75

*10 pcs./ **20 pcs. included in Linear kit, pg 16 ⊕ Blue Part No. = Limited Quantity Available

Continued on next page

Voltage Regulators, Comparators, Buffers & Amps



Voltage Regulators (Continued)

QUANTITY
SAVE

★ Web Code: TAC

Part No.	*Mfr.	Cross Ref.	Pkg./Pins	Description	* Order in multiples of 10		
					1	10	100
51369	◆	7815K	TO-3/2	15V 1A pos. (LM340K-15)	\$1.53	\$1.43	.92
51377	◆	7815T	TO-220/3	15V 1A pos. (LM340T-15)	.32	.272	.204
902151	NSC	LM7815CT	TO-220	3-terminal 15V	1.04	.89	.84
194634	◆	7818T	TO-220/3	18V 1A pos. (LM340T-18)	.70	.529	.397
51414	◆	7824T	TO-220/3	24V 1A pos. (LM340T-24)	.39	.356	.267
51457	◆	7905T	TO-220/3	-5V 1A neg. (LM320T-5)	.42	.36	.27
902637	NSC	LM7905CT	TO-220	3-terminal -5V negative	.86	.81	.76
877179	ON	MC7905CTG	TO-220/3	-5V, 1A neg., C-temp	.44	.372	.294
51422	◆	79L05	TO-92	-5V 100mA neg.	.35	.261	.181
1305287	NSC	LM79L05ACZ/NOPB	TO-92	3-terminal -5V negative	◆	.386	.304
877216	ON	MC7908CTG	TO-220/3	-8V, 1A neg., C-temp	.40	.338	.25
51481	◆	7912T	TO-220/3	-12V 1A neg. (LM320T-12)	.35	.298	.224
902661	NSC	LM7912CT	TO-220	3-terminal -12V negative	.86	.80	.75
902864	NSC	LM79L12ACZ	TO-92	3-terminal -12V negative	.45	.428	.339
877275	ON	MC7912CTG	TO-220/3	-12V, 1A neg., C-temp	.56	.456	.36
51502	◆	7915T	TO-220/3	-15V 1A neg. (LM320T-15)	.32	.272	.204

*10 pcs. included in Linear kit, pg 16

★ Power Drivers & Modules Available Online — Enter Web Code REK

Switching Regulators

NEW
MARKED IN PINK

★ Web Code: DEN

Part No.	Product No.	Pkg./Pin	Description	1	10	100
1728790	LT1074HVCT	TO-220/7.5A	100kHz step-down	\$14.59	\$13.66	\$12.99
1742524	LT1959CS8#PBF	SOIC-8	4.5A 500kHz step-down, C-temp	10.99	8.82	7.60

★ Hot Swap Controller Available Online — Enter Web Code JAX

Audio Amps

QUANTITY
SAVE

★ Web Code: MBP

Part No.	*Mfr.	Cross Ref.	Pkg./Pins	Description	1	10	100
828545	TI	OPA134PA	DIP-8	High performance audio op amp.	\$2.19	\$1.79	\$1.55
243678	ANA	OP275GP	DIP-8	Dual JFET audio op amp.	2.45	1.78	1.48
24037	NSC	LM380N	DIP-14	2-watt, power amp.	1.46	1.15	.57
24088	◆	LM383T	TO-220/5	7-watt, high power	5.95	5.39	4.95
24096	NSC	LM384N	DIP-14	5-watt audio amp.	1.55	1.15	.79
839586	NSC	LM384N/NOPB	DIP-14	5-watt audio power amp.	1.29	.96	.85
24125	◆	LM386N-1	DIP-8	Low voltage, 250mW/6V	.68	.51	.42
839826	NSC	LM386N-1/NOPB	DIP-8	Low voltage audio power amp.	1.09	.79	.57
24133	◆	LM386N-3	DIP-8	Low voltage, 500mW/9V	.69	.59	.49
295718	NSC	LM1203N	DIP-28	RGB video amp.	5.69	4.85	3.65
24942	ON	MC1350P	DIP-8	Video IF amp. (12V operation)	2.49	2.25	2.05
23288	NSC	LM1877N-9	DIP-14	Dual power audio amplifier	1.25	1.13	.77
245542	NSC	LM1881M	SOIC-8	Video synchronous separator	2.75	2.18	1.52
107140	NSC	LM1881N	DIP-8	Video synchronous separator	2.85	2.19	1.66
1416999	ST	TDA2030V	PWAT-5	14W hi-fi audio amp.	2.25	2.13	1.84
275830	TI	OPA2134PA	DIP-8	High performance audio op amp.	2.29	2.01	1.81
32897	ST	TDA2002V	TO-220/5	8-watt audio high power amp.	4.49	4.02	3.60
315344	ST	TDA2040V	PWAT-5	20W hi-fi power	2.09	1.95	1.85
252013	NSC	LM3875T	TO-220/11	56W high perf. power	5.55	4.58	3.84
320670	NSC	LM3886TF	TO-220/11	68W high perf., isol. pkg.	6.49	5.12	3.92
192516	NSC	LM3886T	TO-220/11	68W high perf.	6.09	5.18	3.89
302201	NSC	LM4752T	TO-220	Stereo 11W audio power amp.	2.59	1.92	1.40
316873	MOT	MC34119D	SOIC-8	LP audio amp. (500mW, 16VDC)	1.29	.99	.89
316865	MOT	MC34119P	DIP-8	LP audio amp. (500mW, 16VDC)	1.23	.88	.66

*10 pieces included in Linear kit, pg 16

Instrumentation Amp

★ Web Code: NDA

Part No.	Product No.	Pkg./Pins	Description	1	5	50
825934	INA126PA	DIP-8	μPwr instrumentation amp	\$2.25	\$1.78	\$1.73

◆ This product typically requires one to two additional days to ship. Please request "ship partial" if you prefer the other products on your order to ship immediately. A separate shipping charge would apply.

* ANA = Anachip | MOT = Motorola | NSC = National Semiconductor | ON = ON Semiconductor | ST = ST Micro | TI = Texas Instruments | ◆ Manufacturer Varies

★ For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

◆ RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 159.

Comparators

QUANTITY
SAVE

★ Web Code: EBS

Part No.	*Mfr.	Cross Ref.	Pkg.	Description	1	10	100
282087	◆	LM139J	CDIP-14	Low pwr, low offset volt quad	\$4.09	\$3.45	\$2.59
23528	◆	LM311N	DIP-8	Voltage comparator	.35	.298	.224
837812	NSC	LM311N/NOPB	DIP-8	Voltage comparator	.94	.68	.49
143888	◆	LM339AN	DIP-14	Low power quad comparator	.31	.29	.25
193594	◆	LM339M	SOIC-14	Low pwr low offset volt quad	.24	.208	.156
826742	TI	LM339N	DIP-14	Quad differential comparators	.44	.356	.267
23851	◆	LM339N	DIP-8	Quad comparator	.21	.19	.165
120900	◆	LM392N	DIP-8	Low power op amp/volt comp.	1.19	.90	.68
212177	◆	LM393AN	DIP-8	Low pwr low offset volt dual	.24	.207	.136
24281	◆	LM393N	DIP-8	Dual comparator	.20	.17	.128
903007	TI	LM393P	DIP-8	Dual differential comp., C-temp	.43	.34	.23
107238	◆	LM3302N	DIP-14	Low pwr low offset volt quad	.47	.392	.326
1944741	ST	TS3721IN	DIP-8	LP dual CMOS volt (I-temp)	.69	.55	.39

*10 pcs./**20 pcs. included in Linear kit, pg 16

Buffers

★ Web Code: WBR

Part No.	*Mfr.	Cross Ref.	Pkg.	Description	1	10	100
277552	TI	BUF634P	DIP-8	250mA high speed buffer	\$5.99	\$5.59	\$5.29
277544	TI	BUF634T	TO-220	250mA high speed buffer	9.55	8.95	7.95
23051	◆	LH0002CN	DIP-10	General purpose buffer	13.75	11.48	8.91

Amplifiers

NEW
MARKED IN PINK

★ Web Code: EEN

Part No.	Product No.	Pkg.	Description	1	10	100
1778068	AD524AD	CDIP-16	Precision instrumentation amp	\$23.65	\$20.48	\$19.57
1780862	AD620ANZ	DIP-8	Low cost, LP instrumentation amp	6.89	6.28	5.70
1781021	AD624AD	CDIP-16	Precision instrumentation amp	28.35	24.60	23.68
1805943	ADXL213AE	LCC-8	5V, low cost ±2g dual-axis accelerometer	23.15	20.65	19.65

Op Amps

QUANTITY
SAVE

★ Web Code: WAD



































Part No.	*Mfr.	Cross Ref.	Pkg.	Description	1	10	100
27852	◆	OP07CP⊕	DIP-8	Ultra-low offset voltage	\$.69	\$.63	\$.59
828529	TI	OP07DD⚡	SOIC-8	Precision op amp, C-temp .....	.87	.74	.441
252988	◆	OP07DP	DIP-8	Very low offset single bipolar .....	.70	.59	.474
1925988	TI	OP07DP1▲	DIP-8	Precision op amp, C-temp .....	.51	.483	.459
23106	◆	LM10CLN	DIP-8	Low voltage (1.1 volt)	2.35	1.77	1.49
120715	◆	LM10CN	DIP-8	Op amp and voltage reference	2.45	1.90	1.43
120723	NSC	LM12CLK⊕	TO-3/4	80W op amp	25.95	23.95	20.95
275805	TI	OPA27GP	DIP-8	Ultra-low noise precision	3.95	3.75	3.59
275784	TI	OPA27GU	SOIC-8	Ultra-low noise precision	2.19	1.95	1.75
115300	◆	OP27EP	DIP-8	Low noise precision op amp ..	4.39	3.57	2.67
115318	◆	OP27GP	DIP-8	Low noise prec. (-40° to 80°C) ..	2.29	1.83	1.45
1944812	ST	TL27L2IN	DIP-8	Prec. very low pwr CMOS dual ..	.59	.49	.35
214068	◆	TL034CN⚡	DIP-14	Enhanced low power/offset	1.03	.94	.87
275768	◆	OPA37GP	DIP-8	Ultra-low noise precision	2.15	2.05	1.65
821676	TI	TL051IP	DIP-8	Enhanced JFET low offset .....	.59	.49	.35
33187	◆	TL071CP⚡	DIP-8	Low noise JFET op amp. ....	.39	.302	.23
759762	TI	TL072ACD⚡	SOIC-8	Low noise JFET input op amp ..	.73	.67	.62
33195	◆	TL072CP⚡*	DIP-8	Low noise JFET dual op amp. ....	.48	.454	.435
33216	◆	TL074CN⚡*	DIP-14	Low noise JFET quad op amp. ....	.58	.516	.41
213057	◆	TL081ACP⚡	DIP-8	JFET input, low offset w/ control ..	.66	.504	.279
33232	◆	TL081CP⚡	DIP-8	JFET input, offset control .....	.27	.24	.18
214076	◆	TL082ACP	DIP-8	JFET input, low offset .....	.66	.51	.37
33241	◆	TL082CP*	DIP-8	JFET input dual op amp. ....	.53	.403	.269
214084	◆	TL084ACN⚡	DIP-14	JFET input op amp. ....	.73	.55	.307
193535	◆	TL084CD⚡	SOIC-14	JFET input quad op amp. ....	.33	.276	.208
33267	◆	TL084CN⊕*	DIP-14	JFET input quad op amp. ....	.49	.42	.315
760149	TI	TL084ID⚡	SOIC-14	JFET input op amp .....	.86	.65	.49
245673	◆	LM308AH	TO-5/8	Precision op amplifier	5.09	3.78	3.24
23464	◆	LM308N*	DIP-8	Precision op amplifier	6.59	5.95	5.35
23608	NSC	LM318N	DIP-8	Precision high speed .....	.79	.72	.65

*10 pcs. included in Linear kit, pg 16

Continued on next page



Op Amps (Continued)

Part No.	*Mfr.	Cross Ref.	Pkg./Pins	Description	1	10	100
899247	NSC	LM324AM/NOPB 	SOIC-14	Low power quad op amp	\$.58	\$.527	\$.479
212169	+	LM324AN 	DIP-14	Low pwr quad, impr. offset .....	.35	.30	.25
838233	NSC	LM324AN/NOPB 	DIP-14	Low power quad op amp .....	.64	.57	.52
899335	NSC	LM324M	SOIC-14	Low power quad op amp .....	.50	.42	.379
23683	+	LM324N 	DIP-14	Low pwr quad op amp .....	.28	.24	.21
838284	NSC	LM324N/NOPB 	DIP-14	Low power quad op amp .....	.64	.57	.52
826671	TI	LM324NE4 	DIP-14	Quad op amp .....	.26	.23	.19
22904	+	LF347N 	DIP-14	Quad JFET input (wide band) .....	.46	.392	.294
833854	NSC	LF347N/NOPB 	DIP-14	Wide bandwidth quad JFET input	1.32	1.19	1.08
23915	+	LM348N 	DIP-14	Quad 741 op amp (UPC4741C) .....	.37	.302	.226
22912	+	LF351N	DIP-8	BIFET op amplifier .....	.39	.35	.263
22939	+	LF353N 	DIP-8	Dual BIFET (comp w/ TL082CP) .....	.48	.437	.402
901853	TI	LF353P 	DIP-8	JFET input dual, C-temp .....	.52	.392	.294
22971	NSC	LF356N 	DIP-8	JFET input (wide band) .....	.95	.81	.59
120862	+	LM358AN 	DIP-8	Low pwr dual (improved 358N) .....	.34	.29	.25
839332	NSC	LM358AN/NOPB 	DIP-8	Low power dual op amp .....	.99	.74	.53
23966	+	LM358N 	DIP-8	Low pwr dual op amplifier .....	.24	.21	.18
839367	NSC	LM358N/NOPB 	DIP-8	Low power dual op amp	1.09	.79	.57
1944732	ST	LS404CN	DIP-14	High performance quad .....	.75	.65	.49
901896	TI	LF411CD 	SOIC-8	JFET input, C-temp .....	.55	.473	.439
23018	+	LF411CN 	DIP-8	Low offset drift JFET input	1.35	1.00	.75
835500	NSC	LF411CN/NOPB 	DIP-8	Low-offset, low-drift JFET input .....	.77	.72	.68
23026	+	LF412CN 	DIP-8	Low offset drift JFET input dual	1.39	1.05	.78
835526	NSC	LF412CN/NOPB 	DIP-8	Low-offset, low-drift dual JFET input	1.65	1.22	.90
106681	+	LF442CN 	DIP-8	Dual low power JFET input	1.35	1.00	.75
835542	NSC	LF442CN/NOPB 	DIP-8	Dual low power JFET input	1.75	1.27	.92
119992	+	LF444CN 	DIP-14	Quad low pwr JFET input	1.17	1.00	.69
835569	NSC	LF444CN/NOPB 	DIP-14	Quad low power JFET input	1.18	1.06	.97
903533	NSC	LMC662AIN	DIP-8	CMOS dual op amp	2.29	1.72	1.30
120926	+	LM675T	TO-220/5	Power op amplifier	5.79	4.41	3.36
24491	+	LM733CN	DIP-14	Differential amplifier	1.15	.99	.74
24521	+	LM741CH	TO-5/8	Op amplifier	4.15	3.18	2.39
24539	+	LM741CN 	DIP-8	Op amplifier .....	.29	.25	.19
840763	NSC	LM741CN/NOPB 	DIP-8	General purpose op amp .....	.82	.60	.43
830522	TI	UA741CP 	DIP-8	Gen. purp. op amp .....	.39	.31	.23
830549	TI	UA741CPE4 	DIP-8	Gen. purp. op amp .....	.23	.221	.157
24563	+	LM747CN 	DIP-14	Dual 741 op amplifier .....	.80	.67	.54
260216	NTE	NTE941	TO-5/8	Operational amplifier	6.99	6.83	6.66
239222	+	LTC1001CN8	DIP-8	Precision op amp	2.75	2.05	1.89
239169	+	LT1013CP 	DIP-8	Dual precision op amplifier	1.16	1.00	.75
239177	+	LT1014DN 	DIP-14	Quad precision op amplifier	3.55	2.99	2.89
300193	LTC	LTC1050CN8	DIP-8	Prec. zero drift w/ internal cap	2.95	2.45	1.85
835702	NSC	LM1458M/NOPB 	SOIC-8	Dual op amp	1.05	.74	.54
23131	+	LM1458N 	DIP-8	Dual op amplifier .....	.36	.33	.25
903509	TI	MC1458P 	DIP-8	Dual gen. purp. op amp .....	.39	.31	.20
823525	TI	TLC2272AIP 	DIP-8	Advanced LinCMOS® rail-to-rail	1.79	1.63	1.52
1944839	+	TLV2772CP	DIP-8	Hi slew rate r-r output, w/ shdwn	1.25	.99	.75
12116	+	CA3080E	DIP-8	Op transconductance amp.	3.95	3.55	3.19
12183	+	CA3130E	DIP-8	CMOS op amplifier .....	.88	.85	.78
12204	+	CA3140E 	DIP-8	Bi-MOS op amplifier .....	.51	.47	.42
24168	+	LM3900N 	DIP-14	Quad amplifier .....	.83	.71	.65
29356	+	RC4136N 	DIP-14	Quad op amp. (XR4136) .....	.90	.84	.55
251125	+	MC4558CN	DIP-8	Wide bandwidth dual bipolar .....	.44	.334	.25
908289	TI	RC4558P 	PDIP-8	Dual gen. purp. op amp .....	.45	.36	.247
252970	+	NE5532AP 	DIP-8	Dual lower noise op amp. ....	.75	.69	.55
27385	+	NE5532N 	DIP-8	Dual low noise op amplifier .....	.75	.59	.39
27406	+	NE5534 	DIP-8	Low noise op amplifier .....	.81	.68	.54
904026	TI	NE5534AP 	DIP-8	Low noise op amplifier .....	.65	.59	.541

*10 pcs./ **20 pcs. in Linear cabinet kit, pg 16

▲ This product typically requires one to two additional days to ship. Please request 'ship partial' if you prefer the other products on your order to ship immediately. A separate shipping charge would apply.

* ADI = Analog Devices | CAL = Calogic | LTC = Linear Tech | NSC = National Semi | NTE = NTE/Philips | ON = ON Semi | TI = Texas Instruments | ST = ST Micro | VSH = Vishay | + Manufacturer Varies

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 RoHS compliant product  This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. [Details on page 159](#)



Order by Phone 24/7 at 1-800-831-4242 or Online at www.Jameco.com

Op Amps (Continued)

Part No.	*Mfr.	Cross Ref.	Pkg.	Description	1	10	100
126893	NSC	LMC6482AIN	DIP-8	CMOS dual r-r I/O, lower VOS	\$2.09	\$1.62	\$1.13
301356	NSC	LMC6484AIN	DIP-14	CMOS quad r-r I/O, lower VOS	3.09	2.44	1.71
312750	ADI	AD8052AR	SOIC-8	Low-cost high speed r-r	3.09	2.92	1.96
192532	+	LM13700N	DIP-16	Dual op transcon. w/ diodes/buffer	1.20	.99	.93
871586	+	MC33204P	DIP-14	Low voltage, rail-to-rail	.79	.65	.49
1944775	+	MC33174VP	DIP-14	Single supply 3V-44V op amp	.65	.59	.49
251061	ON	MC34072P	DIP-8	Single supply 3V-44V op amp	1.11	.89	.67

*10 pcs. in Linear cabinet kit, pg 16

Linear Series

Part No.	*Mfr.	Cross Ref.	Pkg/Pins	Description	1	10	100
25751	+	MF10CN	DIP-20	Gen. purpose dual active filter ...	\$3.35	\$3.03	\$2.76
16301	+	DS0026CN	DIP-8	Dual MOS clk. driver (5MHz)	5.95	5.49	5.05
1062114	TI	TL026CP	DIP-8	Diff. high-freq. amp. w/ AGC .....	.89	.69	.49
239281	+	DG201BDJ	DIP-16	Quad analog switch	1.79	1.50	1.38
239329	+	DG211CJ	DIP-16	SPST quad ch. analog switch	4.25	3.42	2.19
1341966	TI	L293DNE	DIP-16	Quad half-H drivers, I-temp	2.69	2.17	1.69
1342011	TI	L293NE	DIP-16	Quad half-H drivers	2.69	2.17	1.68
1950876	CAL	CWB309	DIP-16	Quad mono CMOS/DMOS analog sw.	2.95	2.49	1.95
23721	+	LM331N	DIP-8	Prec volt to freq convtr (150ppm/°C) ..	2.39	1.83	1.28
838372	NSC	LM331N/NOPB	DIP-8	Prec. volt-to-freq. convr., C-temp	2.79	2.13	1.62
23739	NSC	LM334Z	TO-92	Adjust current source	1.19	.88	.64
297676	NSC	LM336BZ-5.0	TO-92	5V voltage reference diode .....	.95	.85	.65
23771	NSC	LM336Z-2.5	TO-92	Voltage reference (2.5V) .....	.36	.264	.204
120889	+	LM385BZ2.5	TO-92	Volt. ref. diode (2.5V ±1.5%) .....	.39	.37	.349
24117	+	LM385Z1.2	TO-92	Micropwr volt. ref. diode (1.2V) .....	.50	.453	.314
23000	+	LF398N	DIP-8	Sample and hold circuit	1.79	1.33	.99
833969	NSC	LF398N/NOPB	DIP-8	Monolithic sample & hold circuits	1.01	.94	.88
309833	+	DG403DJ	DIP-16	Dual SPDT & SPDT analog switch	2.95	2.25	1.69
256541	+	DG406DJ	DIP-28	1 of 16 multiplexer/demux.	4.75	3.90	3.77
272161	+	DG407DJ	DIP-28	Dual 8-ch multiplexer/demux.	5.69	5.11	4.61
256532	+	DG408DJ	DIP-16	1 of 8 multiplexer/demultiplexer	2.15	1.85	1.39
813984	VSH	DG419DY-E3	SOIC-8	Precision CMOS analog switch ...	1.24	1.19	1.02
33347	+	TL431CLP	TO-92	Program precision reference .....	.40	.314	.236
33355	+	TL494CN	DIP-16	Contrl circuit pulse-width-modulated ..	.43	.353	.286
840579	NSC	LM555CM/NOPB	SOIC-8	Timer	1.09	.81	.59
27422	+	LM555CN	DIP-8	Timer (MC1455P/NE555V) .....	.29	.23	.20
840608	NSC	LM555CN/NOPB	DIP-8	Timer	1.19	.89	.65
246676	+	LMC555CM	SOIC-8	CMOS 555 timer	1.25	.93	.70
126797	+	LMC555CN	DIP-8	CMOS 555 timer .....	.66	.61	.458
904051	TI	NE555D	SOIC-8	Precision timer .....	.39	.314	.221
828414	TI	NE555DG4	SOIC-8	Precision timer .....	.20	.142	.133
890091	ST	NE555N	DIP-8	Gen. purp. single bipolar timer .....	.27	.228	.157
904085	TI	NE555P	DIP-8	Precision timer .....	.51	.441	.353
909290	TI	SA555P	DIP-8	Precision timer, I-temp .....	.35	.30	.27
761264	TI	TLC555CD	SOIC-8	LinCMOS™ timer, C-temp .....	.46	.34	.30
761272	TI	TLC555CP	DIP-8	LinCMOS™ timer, C-temp .....	.46	.63	.45
761301	TI	TLC555IP	DIP-8	LinCMOS® timer .....	.94	.71	.53
901917	NSC	LM556CN	DIP-14	Dual Timer .....	.96	.71	.64
24328	+	LM556N	DIP-14	Dual 555 timer .....	.82	.60	.45
904114	TI	NE556N	DIP-14	Dual precision timer .....	.53	.47	.353
27457	ST	NE558N	DIP-16	Quad timer (NE558C)	1.19	.99	.89
27473	ST	NE564N	DIP-16	High freq. phase locked loop ..	2.75	2.49	2.25
24352	+	LM565N	DIP-14	Phased locked loop	1.75	1.28	1.08
24395	+	LM567CN	DIP-8	Tone decoder .....	.49	.45	.43
246650	+	LMC567CN	DIP-8	Tone decoder	1.36	1.18	1.01
27490	ST	NE571N	DIP-16	Compander, subscriber	4.25	3.85	3.49

*10 pcs./ **20 pcs. in Linear kit, pg 16

Continued on next page

Linear Series (Continued)

NEW
MARKED IN PINK

QUANTITY
SAVE

*Web Code: FAD

Part No.	*Mfr.	Cross Ref.	Pkg/Pins	Description	1	10	100
287785	ADI	AD581KH	TO-5/3	10V volt ref hi prec. 10mV tolerance	\$10.75	\$9.74	\$7.31
918399	NXP	SA602AD/01	SOIC-8	Dbl balanced mixer & oscillator	2.25	1.76	1.51
918436	INS	SA612AD/01	SOIC-8	Dbl balanced mixer & oscillator	1.99	1.57	1.23
115174	ADI	AD620AN	DIP-14	Low-cost instrument amp.	13.39	12.30	9.22
115182	ADI	AD633JN	DIP-8	Low-cost analog multiplier	8.59	7.73	6.96
118578	+	MC1495L	DIP-14	Linear 4 quadrant multiplier	9.95	8.95	8.05
23211	+	LM1496N	DIP-14	Balanced mod/demodulator	.65	.56	.506
1944821	+	P1803AC	TO-220	Balanced three-chip sidactor	1.49	1.25	.99
193826	+	ULN2003AD	SOIC-16	Hi-volt/curr. darl. transistor array	.44	.353	.185
1147063	TI	ULN2003ADE4	SOIC-16	Hi-volt/curr. darlington trans. array	.25	.191	.177
34278	+	ULN2003AN	DIP-16	Hi-volt/curr. darl. transistor array	.39	.32	.28
1147178	TI	ULN2003AN1	DIP-16	Hi-volt/curr. darlington trans. array	.63	.47	.35
700630	TI	ULN2004AN	DIP-16	Hi-volt/curr. darlington trans. array	.53	.436	.327
34294	+	ULN2004AN	DIP-16	Hi-volt/curr. darl. transistor array	.39	.30	.23
34972	+	XR2206CP	DIP-16	Monolithic function generator	3.59	3.29	2.99
34999	+	XR2211N	DIP-14	FSK demodulator/tone decoder	1.79	1.59	1.39
280073	TI	TLE2426CLP	TO-92	Rail splitter prec. virtual ground	1.25	.99	.92
34315	+	ULN2803A	DIP-18	Hi-volt/curr. darl. transistor array	.76	.65	.54
700648	TI	ULN2803ADW	SOIC-18	Darlington transistor array, I-temp	.74	.63	.472
700664	TI	ULN2803AN	DIP-18	Darlington transistor array, I-temp	1.29	1.11	.89
890787	ST	ULN2804A	DIP-18	8 darlington array w/ common emitter	.54	.53	.49
123625	NSC	LM2907N-8	DIP-8	Frequency to volt converter	1.85	1.36	1.06
23317	+	LM2907N	DIP-14	Frequency to volt converter	1.31	.97	.93
23350	NSC	LM2917N-8	DIP-8	Freq. to volt conv. w/ zener	1.99	1.53	1.06
23341	NSC	LM2917N-14	DIP-14	Freq. to volt conv. w/ zener	1.75	1.32	1.22
12079	+	CA3046N	DIP-14	NPN transistor array	.70	.58	.51
12159	+	CA3086N	DIP-14	Transistor array NPN	1.59	1.45	1.30
12247	+	CA3162E	DIP-16	Dual slope & rate analog/digi. conv.	15.95	14.95	14.25
31974	+	SG3524N	DIP-16	Regulating pulse width modulator	.61	.518	.431
25275	+	MC4044P	DIP-14	Frequency phase detector	9.99	7.49	5.25
698509	ST	M48202-150PC1	DIP-24	5V, 150ns, 16k zeropower™ SRAM	8.85	8.23	7.39
698445	ST	M48712-150PC1	DIP-24	5V, 150ns, 16k timekeeper SRAM	13.99	11.05	10.34
698453	ST	M48718-150PC1	DIP-28	5V, 150ns, 64k timekeeper SRAM	18.19	16.77	15.36
1950868	CAL	CWB5341	DIP-14	Dual mono CMOS/DMOS analog sw.	2.49	1.95	1.49
1944759	NXP	SAA6579	DIP-16	Radio data system demodulator	.75	.59	.45
875704	INS	ICM7555CBA	SOIC-8	General purpose timer	.40	.372	.33
51140	+	7555IPA	DIP-8	CMOS timer	.39	.359	.291
875712	INS	ICM7555IPA	DIP-8	Gen. purp timer, I-temp.	.45	.41	.372
51174	+	7660CPA	DIP-8	CMOS volt convtr (+5 to ±5V)	.75	.64	.48
842371	NSC	LMC7660IN/NOB	DIP-8	Switched cap. volt convtr	2.29	1.79	1.03
316646	+	ICL7662CPA	DIP-8	Volt convtr., 20Vin, 4.5-20V out	2.95	2.75	2.49
1083476	TI	TL7712ACP	DIP-8	Supply voltage supervisor	.65	.49	.39
25021	ON	MC14411P	DIP-24	Bit rate frequency generator	3.95	3.75	3.55
25064	ON	MC14490P	DIP-16	Hex contact bounce eliminator	5.95	5.63	4.22
118586	ON	MC145151P	DIP-28	Parallel input PLL freq synthesizer	6.15	5.20	4.10
1054684	TI	SN75441ONE	DIP-16	Quad half-H drivers	1.65	1.29	1.00

*10 pcs./ **20 pcs. in Linear kit, below

Linear & Interface IC Kit

SAVE \$72

10 each: TL072CP, TL074CN, TL082CP, TL084CN, MAX232CPE, LM301N, LM308N, LM311N, LM337T, LF353N, LF356N, LM358N, LM386N-1, LM386N-3, LM393N, LF411CN, LF412CN, LMC555CN, LM556N, LM723CN, LM1458N, DS1488N, DS1489N, ULN2003AN, ULN2803A, NE5532N, 7808T, 78L12CZ, 7815T, 7905T, 7912CT, 7915CT

20 each: LM317T, LM324N, LM339N, LM741CN, LM555CN, 7805T, 78L05CZ, 7812T

Part No.	Description	Wt. (lbs.)	1	10
84988	480 pcs. (40 types) analog IC kit	6.0	\$212.95	\$192.64
130411	Refill for 84988 (480 pcs.)	1.3	203.95	152.96

MICROCHIP Digital Potentiometer

*Web Code: JBP

Part No.	Product No.	Pkg.	Description	1	10	100
241744	MCP41010-I/P	DIP-8	10kΩ, 256 steps, SPI digital pot	\$1.99	\$1.86	\$1.69

freescale

Pressure Sensor

*Web Code: JBV

Typical applications: air movement control, level indicators, leak detection, robotics and industrial controls

- To convert kPa to PSI: 1kPa = 0.1450377PSI
- Differential type



Part No.	Product No.	Case Type	Pressure (kPa)	Output	Op. Volt. (VDC@mA)	1	10	100
320987	MPX2010DP	344C	0 - 10	25mV	10 @ 6	\$20.65	\$15.48	\$14.11

Allegro

Hall Effect Sensor

*Web Code: REB

Part No.	Product No.	Pkg.	Description	1	10	100
1718743	A1302EUA-T	SIP-3	Continuous-time ratio-metric linear sensor	\$1.00	\$.94	\$.88

Temperature Sensors

QUANTITY
SAVE

*Web Code: WAN

Part No.	*Mfr.	Cross Ref.	Pkg.	Description	1	10	100
107094	+	LM34CZ	TO-92	Prec temp sensor (-40° to +230°F)	\$5.49	\$4.35	\$4.25
193480	+	LM34DM	SOIC-8	Prec temp sensor (-55° to 300°F)	2.09	1.63	.95
155192	+	LM34DZ	TO-92	Prec temp sensor (+32° to +212°F)	1.99	1.67	1.25
192217	+	LM35DT	TO-220/3	Prec temp sensor (-55° to 150°C)	2.35	2.00	1.50
107107	+	LM35CZ	TO-92	Prec temp sensor (-40° to 110°C)	5.19	4.41	3.31
155740	+	LM35DZ	TO-92	Prec temp sensor (0° to +100°C)	1.69	1.35	1.25
278387	ADI	TMP36GT9	TO-92	Low voltage temp sensor	1.28	1.08	.73
120820	+	LM335AZ	TO-92	Precision temp sensor	.98	.90	.86
23755	+	LM335Z	TO-92	Volt mode temp sensor	.67	.61	.44
241939	+	AD590JH	TO-52/3	Two terminal IC temp transducer	6.85	6.49	6.19
313306	ADI	AD594AQ	DIP-14	Thermocouple amp for iron-constantan	14.29	12.16	9.12
313293	ADI	AD595AQ	DIP-14	Thermocouple amp for chromel-alumel	14.89	13.08	11.57

Transistors

NEW
MARKED IN PINK

QUANTITY
SAVE

*Web Code: FEN

* Order in multiples of 10

Part No.	*Mfr.	Cross Ref.	Pkg.	Desc.	V _{ce0}	Min. (I _{FE} @ I _C)	1	10	100
800876	ON	MPSA20	TO-92	NPN	40	40 @ .005A	\$.31	\$.257	\$.198
800892	ON	MPSA27RLRAG	TO-92	NPN	60	10000 @ .01A	*	.131	.118
33021	+	TIP29A	TO-220	NPN	60	15 @ 1A	.43	.395	.382
890568	ST	TIP35C	TO-218	NPN	100	25 @ 1.5A	1.39	1.30	1.22
878622	ON	MPSA42G	TO-92	NPN	300	40 @ .01A	*	.088	.078
811102	ST	BUX48A	TO-218	NPN	450	450 @ 15A	7.09	6.39	5.74
179240	FSC	TIP102	TO-220	NPN	100	1k @ 3A	.54	.46	.43
1094723	FSC	TIP102-NL	TO-220	NPN	100	1k @ 3A	.39	.358	.322
26462	+	MPSA06	TO-92	NPN	80	100k @ .01A	*	.035	.025
26489	+	MPSA13*	TO-92	NPN	30	5k @ .01A	*	.091	.058
210593	+	MPSA14	TO-92	NPN	30	20k @ .10A	*	.067	.042
33021	+	TIP29A	TO-220	NPN	60	15 @ 1A	.43	.395	.382
33048	+	TIP31A*	TO-220	NPN	60	10 @ 3A	.49	.39	.35
179354	FSC	TIP31C	TO-220	NPN	100	10 @ 3A	.49	.441	.353
33081	+	TIP41A	TO-220	NPN	60	15 @ 3A	.65	.59	.53
179371	+	TIP41C	TO-220	NPN	100	15 @ 3A	.35	.31	.248
288631	+	TIP48	TO-220	NPN	300	30 @ .3A	.49	.42	.37
178546	+	MPSA42	TO-92	NPN	30	40 @ .03A	*	.097	.079
120221	+	BPW77NA	TO-18	NPN	70	—	1.99	1.89	1.55
32977	+	TIP102*	TO-220	NPN	100	1k @ 3A	.57	.49	.41
32993	+	TIP120*	TO-220	NPN	60	1k @ 3A	.49	.45	.39
179291	+	TIP120	TO-220	NPN	60	1k @ 3A	.54	.486	.389
179303	FSC	TIP122	TO-220	NPN	100	1k @ 3A	.55	.42	.32
120416	+	TIP122	TO-220	NPN	100	1k @ 3A	.42	.37	.35
890445	ST	TIP142	TO-218	NPN	100	1k @ 0.5A	1.43	1.34	1.24
273210	NTE	NTE284	TO-3	NPN	180	70 @ 2A	9.95	9.59	9.45
211529	+	MJE340	TO-225	NPN	300	30 @ .05A	.27	.24	.18
254799	+	BC547C	TO-92	NPN	45	600 @ .002A	*	.046	.039
800568	MOT	MPS918	TO-92	NPN	15	20 @ .003A	*	.07	.055
38228	+	2N2219A	TO-39	NPN	40	100 @ .15A	.41	.37	.31
924289	ST	2N2222	TO-39	NPN	30	35 @ 0.1mA	.55	.507	.479
26446	+	MPQ2222	DIP-14	NPN	40	100 @ .15A	2.79	2.52	2.29
28628	+	PN2222**	TO-92	NPN	30	100 @ .15A	*	.075	.065

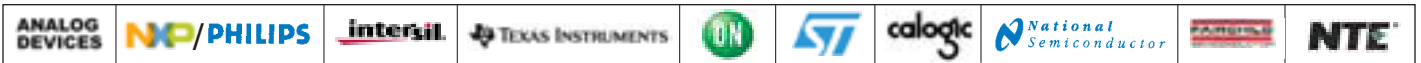
*10 pcs. in Transistor cabinet kit, pg 17

Continued on next page

*ADI = Analog Devices | CAL = Calogic | FSC = Fairchild Semi | INS = Intersil | MOT = Motorola | NSC = National Semi | NXP = NXP/Philips | ON = ON Semi | ST = ST Micro | TI = Texas Instruments | +Mfr. Varies

*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 159.



Transistors (Continued)

* Order in multiples of 10									
Part No.	*Mfr.	Cross Ref.	Pkg.	Desc.	V _{CEO}	Min. (h _{FE} @ I _C)	1	10	100
38236	+	2N2222A	TO-18	NPN	40	100 @ .15A	\$.42	\$.41	\$.39
213938	+	MMBT2222A	SOT-23	NPN	40	100 @ .15A	.04	.03	
213997	+	MMPQ2222A	SOIC-16	NPN	40	100 @ .15A	.83	.70	.56
210673	+	MPS2222A	TO-92	NPN	40	40 @ .50A	.058	.052	
178511	+	PN2222A	TO-92	NPN	40	100 @ .15A	.13	.092	
787536	FSC	PN2222ABU	TO-92	NPN	40	75 @ .01A	.083	.059	
803268	ON	PN2222AG	TO-92	NPN	40	50 @ .001A	.037	.033	
803049	ON	P2N2222AG	TO-92	NPN	40	35 @ .01A	.20	.167	.147
787552	FSC	PN2222ATF	TO-92	NPN	40	75 @ .01A	.062	.042	
268086	NTE	NTE2349	TO-3	NPN	120	1000 @ 25A	16.15	15.31	14.99
1945014	FSC	PN2484	TO-92	NPN	60	250 @ .001A	.07	.045	
273105	NTE	NTE2507	TO-220	NPN	200	40 @ .05A	5.95	5.33	4.79
38295	+	2N3053*	TO-39	NPN	40	25 @ .15A	.51	.45	.38
38308	+	2N3055	TO-3	NPN	60	15 @ 10A	.89	.79	.68
211385	+	TIP3055	TO-218	NPN	60	5 @ .001A	1.39	1.23	.88
211406	+	2N3055A	TO-3	NPN	60	20 @ 4A	1.55	1.43	1.37
25857	+	MJE3055T	TO-220	NPN	60	20 @ 4A	.57	.53	.49
194415	+	2N3439	TO-39	NPN	350	40 @ .02A	.66	.56	.515
1944919	NSC	PN3566	TO-92	NPN	30	80 @ .002A	.06	.035	
209242	+	2N3771	TO-3	NPN	40	15 @ .15A	1.99	1.79	1.35
140151	+	2N3773	TO-3	NPN	140	15 @ 8A	2.95	2.66	1.99
38359	+	2N3904	TO-92	NPN	40	100 @ .01A	.069	.057	
178597	FSC	2N3904	TO-92	NPN	40	100 @ .01A	.09	.06	
783421	FSC	2N3904	TO-92	NPN	40	100 @ .01A	.051	.031	
885161	ON	2N3904G	TO-92	NPN	40	40 @ 0.1mA	.052	.04	
885208	ON	2N3904RLRAG	TO-92	NPN	40	100 @ .001A	.045	.041	
94967	+	MMBT3904	SOT-23	NPN	40	100 @ .01A	.042	.034	
873291	FSC	MMBT3904_NL	SOT-23	NPN	40	40 @ 0.1mA	.026	.025	
1944927	FSC	PN4275	TO-92	NPN	15	35 @ .01A	.055	.035	
38421	+	2N4401*	TO-92	NPN	40	100 @ .15A	.08	.06	
805685	ON	2N4401RLRAG	TO-92	NPN	40	20 @ 0.1mA	.158	.103	
1201380	FSC	PN4953	TO-92	NPN	30	150 @ .01A	.07	.045	
310666	+	2N5038	TO-3	NPN	150	20 @ 12A	7.95	7.45	6.95
1945081	FSC	2N5306	TO-92	NPN	25	7000 @ .002A	.07	.055	
194600	+	2N6059	TO-3	NPN	100	750 @ 6A	1.95	1.75	1.65
924300	ST	2N6284	TO-3/2	NPN	100	750 @ 10A	3.69	3.05	2.79
1945031	FSC	MPS6515	TO-92	NPN	25	250 @ .002A	.07	.045	
194618	+	2N6547	TO-3	NPN	400	12 @ 5A	4.29	3.62	3.12
194626	+	2N6678	TO-3	NPN	400	8 @ 15A	6.79	6.15	5.75
33030	+	TIP30A	TO-220	PNP	60	15 @ 1A	.60	.54	.40
33064	+	TIP32A*	TO-220	PNP	60	10 @ 3A	.42	.38	.33
181841	+	TIP32C	TO-220	PNP	100	10 @ 3A	.29	.261	.222
890592	ST	TIP36C	TO-218	PNP	100	25 @ 1.5A	1.13	1.11	1.03
33101	+	TIP42A	TO-220	PNP	60	15 @ 3A	.48	.403	.287
139580	+	TIP42C	TO-220	PNP	100	15 @ 3A	.34	.31	.28
179258	+	TIP107	TO-220	PNP	100	1k @ 3A	.43	.36	.33
288526	+	TIP115	TO-220	PNP	60	1k @ 1A	.39	.328	.232
33013	+	TIP125	TO-220	PNP	60	1k @ 3A	.49	.441	.353
179320	+	TIP127	TO-220	PNP	100	1k @ 3A	.39	.33	.249
1085500	FSC	MPS750RL	TO-92	PNP	40	75 @ .05A	.21	.19	.15
194378	+	2N2905A	TO-39	PNP	60	100 @ .15A	.52	.43	.32
924297	ST	2N2907	TO-39/3	PNP	-40	75 @ .01A	.51	.49	.46
26454	+	MPQ2907	DIP-14	PNP	40	100 @ .15A	2.29	1.95	1.75
28644	+	PN2907*	TO-92	PNP	40	100 @ .15A	.106	.085	
211342	+	MPS2907A	TO-92	PNP	60	100 @ .15A	.069	.06	
178520	+	PN2907A	TO-92	PNP	60	100 @ .15A	.075	.055	
38279	+	2N2907A*	TO-18	PNP	60	100 @ .15A	.38	.333	.25

*10 pcs./ **100 pcs. in Transistor cabinet kit, right Blue Part No. = Limited Quantity Available

Transistors (Continued)

* Order in multiples of 10									
Part No.	*Mfr.	Cross Ref.	Pkg.	Desc.	V _{CEO}	Min. (h _{FE} @ I _C)	1	10	100
25831	+	MJE2955T	TO-220	PNP	60	20 @ 4A	\$.53	\$.477	\$.36
1944986	FSC	PN3644	TO-92	PNP	45	100 @ .01A	.07	.045	
178618	FSC	2N3906	TO-92	PNP	40	100 @ .01A	.046	.042	
38375	+	2N3906*	TO-92	PNP	40	100 @ .01A	.066	.042	
805597	ON	2N3906G	TO-92	PNP	40	100 @ 10A	.055	.049	
1944943	FSC	PN4122	TO-92	PNP	40	150 @ 1mA	.055	.035	
1944951	FSC	PN4355	TO-92	PNP	60	100 @ 1mA	.21	.18	.15
38447	+	2N4403*	TO-92	PNP	40	100 @ .15A	.048	.032	
1944935	FSC	PN4917	TO-92	PNP	30	150 @ 1mA	.06	.04	
253438	+	2N5884	TO-3	PNP	80	4 @ 25A	3.75	3.63	3.35
194571	+	2N6042	TO-220	PNP	100	1k @ 3A	.56	.46	.42
194597	+	2N6052	TO-3	PNP	100	750 @ 6A	2.89	2.61	1.93

*10 pcs./ **100 pcs. in Transistor cabinet kit, below

J-FETs

Please Note: Manufacturer may vary									
Part No.	Cross Ref.	Pkg.	Desc.	BV _{GS} @ I _G (μA)	I _{DSS} (mA) @ V _{DS}	1	10	100	1000
26403	MPF102*	TO-92	N-Ch	-25 @ -10	2 @ 15	\$.21	\$.155	\$.084	\$.053
1945006	PN4093	TO-92	N-Ch	-40 @ 1	15 @ 20	.12	.10	.07	.05
253948	2N5457	TO-92	N-Ch	-25 @ -10	1 @ 15	.20	.18	.126	.095
253921	2N5458	TO-92	N-Ch	-25 @ -10	2 @ 15	.34	.32	.295	.26
253542	2N5639	TO-92	N-Ch	-30 @ -10	25 @ 20	.21	.10	.07	.055
38527	2N5951*	TO-92	N-Ch	-30 @ -1	7 @ 15	.69	.64	.44	.33
253913	2N5460	TO-92	P-Ch	40 @ 10	-1 @ -15	.47	.423	.338	.254

*10 pcs. in Transistor cabinet kit, below Blue Part No. = Limited Quantity Available

IGBT

Part No.	Product No.	Pkg.	BV _{CES}	I _{CES}	1	10	100
785881	HGTP20N60A4	TO-220AB	600V	20mA	\$3.79	\$3.02	\$2.98

Transistor Assortment Cabinet Kit

Includes: 20 drawer component cabinet (319600), 20 clear plastic drawers (319601), 20 clear dividers (319611), pg 151 and 30 adhesive labels for drawers to identify parts in kit

10 each: 2N2222A, 2N2907A, 2N3053, 2N3055, 2N4401, 2N4403, 2N5951, 2N7000, MJE3055T, MPF102, MPSA06, MPSA13, TIP31A, TIP32A, TIP102, TIP120

100 each: 2N3904, 2N3906, PN2222, PN2907

Part No.	Description	Wt. (lbs.)	1	10
82595	560 pcs. (20 types) NPN, PNP transistor kit	5.1	\$75.95	\$74.59
130374	Refill for 82595 (560 pcs.)	0.4	\$61.95	\$55.75

SAVE \$18

N-Channel & P-Channel MOSFETs

* Order in multiples of 10									
Part No.	*Mfr.	Cross Ref.	Pkg.	Desc.	BV _{DS}	Min. On- DS Current	1	10	100
669871	+	IRFZ24N	TO-220AB	N-Ch	55	17A	\$.59	\$.49	\$.45
669927	+	IRFBG30	TO-220AB	N-Ch	1000	3.1A	1.39	1.11	.83
669935	+	IRFZ34N	TO-220AB	N-Ch	55	26A	.59	.468	.42
669943	+	IRLZ34N	TO-220AB	N-Ch	55	30A	.69	.62	.46
669951	+	IRFZ44N	TO-220AB	N-Ch	55	49A	.82	.65	.59
669978	+	IRFZ46N	TO-220AB	N-Ch	55	53A	.99	.94	.69
669986	+	IRFZ48N	TO-220AB	N-Ch	55	64A	.86	.69	.62
256031	+	BS170	TO-92	N-Ch	60	—	.093	.078	

Continued on next page

* FSC = Fairchild | NSC = National Semi | NTE = NTE/Philips Semi | ON = ON Semi | ST = ST Micro | + Manufacturer Varies

*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 159.

N-Channel & P-Channel MOSFETs (Cont.)

* Web Code: GCI

					QUANTITY SAVE	* Order in multiples of 10			
Part No.	*Mfr.	Cross Ref.	Pkg.	Desc.	BV _{DS}	Min. On-St. DS Current	1	10	100
670080	✦	IRFP250	TO-247	N-Ch	200	30A	\$3.05	\$2.50	\$1.88
670101	✦	IRFP260N	TO-247	N-Ch	200	50A	3.45	2.92	2.51
670135	✦	IRFP450	TO-247	N-Ch	500	14A	3.25	2.21	1.97
670143	✦	IRFP460	TO-247	N-Ch	500	20A	2.95	2.39	2.15
209234	✦	IRF510	TO-220	N-Ch	100	5.6A .....	.69	.59	.55
1559885	INR	IRF510PBF	TO-220AB	N-Ch	100	5.6A	1.12	.91	.79
209226	✦	IRF520	TO-220	N-Ch	100	10A .....	.56	.48	.45
209058	✦	IRL520N	TO-220	N-Ch	100	10A .....	.77	.62	.56
210500	✦	IRF530	TO-220	N-Ch	100	14A .....	.66	.57	.52
670151	✦	IRF530N	TO-220AB	N-Ch	100	17A .....	.71	.58	.444
210518	✦	IRF540	TO-220	N-Ch	100	27A .....	.78	.63	.57
210526	✦	IRF620	TO-220	N-Ch	200	6.0A .....	.45	.42	.35
210534	✦	IRF630	TO-220	N-Ch	200	9.0A .....	.94	.82	529
210542	✦	IRF640	TO-220	N-Ch	200	18A .....	.90	.83	.68
1560270	INR	IRF640N	TO-220AB	N-Ch	200	18A	3.15	2.08	1.95
670231	✦	IRF644	TO-220AB	N-Ch	250	14A .....	.99	.88	66
210551	✦	IRF730	TO-220	N-Ch	400	5.5A .....	.87	.66	.55
210569	✦	IRF740	TO-220	N-Ch	400	10A	1.25	1.10	.89
210577	✦	IRF820	TO-220	N-Ch	500	4.0A .....	.48	.46	.43
210585	✦	IRF830	TO-220	N-Ch	500	4.5A .....	.78	.74	.71
184719	✦	IRF840	TO-220	N-Ch	500	8.0A	1.28	1.05	.79
787798	FSC	RFP12N10L	TO-220AB	N-Ch	100	12A .....	.81	.67	.53
670282	✦	IRF1405	TO-220AB	N-Ch	55	169A	3.85	3.44	2.87
279460	✦	VN2222LL	TO-92	N-Ch	60	.75A .....	.35	.304	228
873602	FSC	MTP3055VL	TO-220	N-Ch	60	12A .....	.77	.62	.50
618089	✦	IRF3205	TO-220	N-Ch	55	110A	5.15	2.10	1.74
670354	✦	IRF3415	TO-220AB	N-Ch	150	43A	1.75	1.60	1.20
618071	✦	IRL3705	TO-220	N-Ch	55	89A	1.40	1.09	82
875051	FSC	RFP50N06	TO-220AB	N-Ch	60	50A	1.19	1.12	.90
178669	✦	2N7000*	TO-92	N-Ch	60	0.2A .....	.25	.194	.136
119423	✦	2N7000	TO-92	N-Ch	60	0.3A	*	.11	.10
783594	FSC	2N7000_NL	TO-92	N-Ch	60	75mA	*	.085	.08
140169	✦	2N7002	SOT-23	N-Ch	60	0.5A	*	.084	038
256057	✦	BS250	TO-92	P-Ch	-45	— .....	.37	.34	.255
879203	ON	MTP2P50E	TO-220	P-Ch	500	2.0A	2.65	2.23	1.87
1944901	✦	ZVP3306A	TO-92	P-Ch	-60	-0.4A .....	.55	.49	.35
255054	✦	SI4463DY	SOIC-8	P-Ch	-20	-30A	1.69	1.49	1.45
670442	✦	IRF4905	TO-220AB	P-Ch	-55	-74A	2.09	1.96	1.84
670451	✦	IRF4905S	D2PAK	P-Ch	-55	-74A	2.85	2.25	2.04
670477	✦	IRF5210	TO-220AB	P-Ch	-100	-40A	1.85	1.50	1.45
670485	✦	IRF5305	TO-220AB	P-Ch	-55	-31A	1.29	1.19	1.13
670522	✦	IRLML6401	SOT-23	P-Ch	-12	-12A .....	.31	.251	189
670531	✦	IRF7404	SOIC-8	P-Ch	-20	-7.7A .....	.69	.48	36
670565	✦	IRFR9024	TO-252AA	P-Ch	-60	-8.8A .....	.73	.60	45
670581	✦	IRF9234N	TO-220AB	P-Ch	-55	-1.8A .....	.95	.84	.71
670629	✦	IRF9520	TO-220AB	P-Ch	-100	6A .....	.72	.58	.44
670741	✦	IRF9530	TO-220AB	P-Ch	-100	-12A .....	.82	.66	.59
670637	✦	IRF9530N	TO-220AB	P-Ch	-100	-14A	1.09	.95	.75
670645	✦	IRF9540N	TO-220AB	P-Ch	-100	-23A	1.19	1.03	77
670653	✦	IRF9640	TO-220AB	P-Ch	-200	-11A	1.85	1.70	1.28

† DMOS FET ☉ Blue Part No. = Limited Quantity Available

IR International Rectifier

Hexfet Power MOSFETs

* Web Code: HDU

Part No.	Product No.	Pkg.	Desc.	BV _{DS}	Min. On-St. DS Current	QUANTITY SAVE		
						1	10	100
1563083	IRFZ24	TO-220AB	N-Ch	60	17A	\$1.35	\$1.27	\$1.21
1563147	IRFZ44NPBF	TO-220AB	N-Ch	55	49A	.98	.76	.66
1562363	IRFP450PBF	TO-247AC	N-Ch	500	14A	3.25	2.21	1.97
1560051	IRF540NPBF	TO-220AB	N-Ch	100	33A	1.47	1.19	1.08
1559965	IRF5305PBF	TO-220AB	P-Ch	-55	-31A	1.69	1.30	1.12
1561619	IRF9640PBF	TO-220AB	P-Ch	-400	-11A	1.39	1.19	1.07

* AVD = Aavid Thermalloy | DDI = Diodes Incorporated | FSC = Fairchild | INR=International Rectifier | JVP = Jameco ValuePro | ON= ON Semi | VSH= Vishay | WKF = Wakefield | ✦ Manufacturer Varies

* For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

☉ RoHS compliant product ☉ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 159.

TOSHIBA

AAVID
THERMALLOY

WAKEFIELD
Thermal Solutions

Heat Sinks

QUANTITY
SAVE

* Web Code: JAB



These heat sinks are made from black anodized aluminum (except for P/N 107297 which is light weight aluminum). They can be mounted horizontally or vertically depending on your applications. P/N 42622 can be mounted vertically with solderable mounting tabs.

Part No.	*Mfr.	Cross Ref.	Type	Size (L" x W" x H")	1	10	100
16513	✦	DUDE4	TO-3	4.80 x 1.50 x 1.30	\$3.69	\$3.43	\$2.59
151547	✦	635-125B2	TO-3	1.90 x 1.40 x 1.30	1.49	1.45	1.31
189835	✦	635-5B2	TO-3	1.90 x 1.40 x 0.50	.73	.67	.64
326757	JVP	529801B02500	TO-218	1.64 x 0.98 x 1.51	1.19	.99	.85
326596	JVP	507302B00000	TO-220	0.75 x 0.38 x 0.74	.25	.23	.20
326693	JVP	531002B05200	TO-220	1.38 x 0.50 x 1.00	.84	.75	.65
326713	JVP	531102B02500	TO-220	1.38 x 0.50 x 1.51	.92	.83	.66
70915	✦	THM6106	TO-220	1.20 x 1.00 x 0.50	.56	.48	.448
42622	✦	563002B00000	TO-220	1.20 x 1.00 x 0.50	.33	.291	.273
40504	WKF	291-H-36AB	TO-220	0.90 x 1.00 x 0.40	.76	.55	.477
158051	✦	577102B00000G	TO-220	0.75 x 0.52 x 0.38	.39	.35	.28
70658	✦	THM6073	TO-220	0.80 x 0.70 x 0.40	.32	.29	.27
107297	✦	PSC2-U (cup-style)	TO-220	0.80 x 1.00 x 0.40	.49	.441	.40
696714	AVD	577002B00000G	TO-220	0.75 x 0.52 x 0.25	.42	.297	.21
1115643	AVD	577202B00000G	TO-220	0.75 x 0.52 x 0.50	.22	.206	.185
696722	AVD	581002B02500G	TO-220	0.64 x 1.00	1.25	1.10	1.07
1582831	WKF	659-65ABT1	37mm BGA	1.45 x 1.45 x 0.65	3.15	3.09	2.53
1582778	WKF	651-B	14/16-pin DIP	0.25 x 0.74 x 0.24	.83	.59	.50

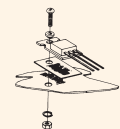
☉ Blue Part No. = Limited Quantity Available

Accessories

Part No.	*Mfr.	Cross Ref.	Description	1	10	100
1582541	WKF	120-8	Silicon oil-based compound 8oz. jar	\$27.65	\$24.95	\$20.47
1582559	WKF	173-7-220P	DeltaPAD™ insulator for TO-220	.62	.446	.312
1582575	WKF	175-6-240-P	KAPTON™ reinforced insulator for TO-220	.46	.325	.231

Heat Sink Mounting Kit

- TO-220 heat sink insulator assemblies
- 10 kits per pack



Part No.	Type	Description	1	10	100
34121	TO-220	5 pcs per kit	\$3.95	\$3.55	\$3.19

Small Signal Diodes

QUANTITY
SAVE

* Web Code: JDQ

Part No.	*Mfr.	Cross Ref.	Pkg.	Description	Order in multiples of 10		
					10	100	
1215759	FSC	BAV74_NL	SOT-23	50VRRM, 0.2A	\$0.045	\$0.029	
179207	✦	1N914	DO-35	100PRV	.05	.025	
36311	✦	1N914	DO-35	75PRV, 0.01A	.022	.018	
655269	✦	1N914A	DO-35	100VRRM, 0.2A	.025	.015	
1537969	DDI	1N4148-T	DO-35	100VRRM, 0.15A	.027	.02	
743306	FSC	1N4148TR	DO-35	100VRRM, 0.2A	.025	.02	
1039433	VSH	MMSZ5230B-V-GS08	SOD123	4.7Vz, 0.02A	.045	.034	

** 100 pcs. in Diode/Rectifier cabinet kit, pg 20

✦ This product typically requires one to two additional days to ship. Please request 'ship partial' if you prefer the other products on your order to ship immediately. A separate shipping charge would apply.



Zener Diodes

QUANTITY
SAVE

*Web Code: LAF

Part No.	*Mfr.	Cross Ref.	Pkg.	V _{znom}	Pwr Dissipation	Order in multiples of 10		
						1	10	100
36290	◆	1N751A*	DO-35	5.1V	0.5W	\$.04	\$.03	
178773	VSH	1N4732A	DO-41	4.7V	1W	.088	.066	
36097	◆	1N4733A*	DO-41	5.1V	1W	.08	.065	
178837	◆	1N4739A*	DO-41	9.1V	1W	.057	.038	
36169	◆	1N4742A*	DO-41	12V	1W	.074	.059	
743411	FSC	1N4742ATR	DO-41	12.0V	1W	.061	.055	
36185	◆	1N4744A	DO-41	15V	1W	.06	.045	
782920	FSC	1N4749ATR	DO-41	24.0V	1W	.044	.033	
743488	FSC	1N5226B	DO-35	3.3V	0.5W	.032	.029	
179047	◆	1N5231B	DO-35	5.1V	0.5W	.035	.026	
804607	ON	1N5339BG	Surmetic-40	5.6V	5W	.228	.208	
804623	ON	1N5341BG	Surmetic-40	6.2V	5W	.219	.206	
743584	ON	1N5342BG	Surmetic-40	6.8V	5W	.228	.208	
804818	ON	1N5352BG	Surmetic-40	15.0V	5W	.247	.225	
804914	ON	1N5359BG	Surmetic-40	24.0V	5W	.257	.245	
1305367	ON	1N5365BG	Surmetic-40	36.0V	5W	.17	.159	

*10 pcs. in Diode/Rectifier cabinet kit, pg 20

Diodes

NEW
MARKED IN PINK

QUANTITY
SAVE

*Web Code: PAK

Part No.	*Mfr.	Cross Ref.	Pkg.	Description	* Order in multiples of 10		
					1	10	100
35941	◆	1N270*	DO-7	80PRV (Germanium)	\$.99	\$.86	\$.74
259469	NTE	NTE583	DO-7	Schottky RF switch	1.46	1.38	1.17
1539331	DDI	BAV99-7-F	SOT-23	75V _{RRM} , 300mA	.43	.294	.147
312101	◆	MBR1100	DO-41	100PRV, 1.0A (Schottky)	.27	.16	.12
787940	FSC	RURP3020	TO-220AC	200V _{RRM} , 30A (Ultrafast)	1.75	1.61	1.29
1559164	INR	HFA08TB60PBF	TO-220AC	600VBR, 8A (Ultrafast)	.69	.64	.60
179215	VSH	1N4148	DO-35	100PRV (Switching)	*	.012	.009
36038	◆	1N4148**	DO-35	75PRV, 0.01A (Switching)	*	.04	.03
151247	◆	1N4148T	DO-35	75PRV, 0.01A (Switching)	*	.016	.013
743656	ST	1N5711	DO-35	70V _{RRM} , 15mA (Schottky)	.40	.29	.20
1547921	AVT	5082-2810	Glass axial	Schottky barrier gen. purp.	3.75	3.47	3.25
1547956	AVT	5082-2835	Glass axial	Schottky barrier gen. purp.	1.55	1.30	1.14
1547999	AVT	5082-3081	Glass axial	Pin diode for RF switch & Atten	3.19	2.82	2.28

*10 pcs./ **100 pcs. in Diode/Rectifier cabinet kit, pg 20

SanRex® Fast-On & Thru-Hole Pkg. Triacs

*Web Code: PCH

Part No.	Product No.†	Pkg.	Rating (X _{DRM} , I _{T(RMS)})	1	10	100
658216	TG35E60	Fast-On	Isolated 35A, 600V	\$9.09	\$7.87	\$6.81
658267	TG35F40	Fast-On	Isolated 35A, 400V	9.09	7.87	6.34
658275	TG35F60	Fast-On	Isolated 35A, 600V	9.09	7.87	6.81
657192	TMG8C60F	TO-220F	Isolated 8A, 600V	1.09	1.02	.95

† For cross references to Littelfuse, ST, and ON Semi products, refer to datasheets @ Jameco.com.

Triacs

QUANTITY
SAVE

*Web Code: PAE

Part No.	*Mfr.	Cross Ref.	Pkg.	Rating	1	10	100
31819	◆	SC146B	TO-220	200 V _{DRM} , 10A (2N6342)	\$1.49	\$1.25	\$1.05
31827	◆	SC146M	TO-220	600 V _{DRM} , 10A (2N6344)	1.99	1.68	1.26
1165690	BOU	TIC201M	TO-220	600 V _{DRM} , 2.5A	.49	.35	.19
220492	TEC	Q4008R4	TO-220AB	400 V _{DRM} , 8A	1.12	1.03	.77
139336	TEC	Q4015L5	TO-220AB	400 V _{DRM} , 15A	1.65	1.48	1.33
160215	TEC	Q6008L5	TO-220AB	600 V _{DRM} , 8A	1.39	1.25	.94
220505	TEC	Q6025R6	TO-220AB	600 V _{DRM} , 25A	2.39	2.17	1.63
220521	TEC	Q6035P5	TO-3	600 V _{DRM} , 35A	9.09	7.87	6.34
140425	◆	2N6071A	TO-225AA	200 V _{DRM} , 4A	.39	.324	.281

◆ This product typically requires one to two additional days to ship. Please request 'ship partial' if you prefer the other products on your order to ship immediately. A separate shipping charge would apply.

* AVT = Avago Tech | BOU = Bourns | DDI = Diodes Inc. | FSC = Fairchild | INR = International Rect. | NTE = NTE | ON = ON Semi | ST = ST Micro | TAT = Taitron | TEC = Teccor | VSH = Vishay | ◆ Manufacturer Varies

*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

◆ RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 159.



Order by Phone 24/7 at 1-800-831-4242 or Online at www.Jameco.com

Transient Voltage Suppressor

*Web Code: QBQ

Part No.	Cross Ref.	Watts	Pkg.	Min. Brkdw Volt. (V _{BR})	Stand-Off Voltage	1	10	100	1000
256663	P6KE6.8A	600	DO-15	6.45	5.8	\$.21	\$.169	\$.159	\$.15

Silicon Controlled Rectifiers (SCRs)

QUANTITY
SAVE

*Web Code: BAB

Part No.	*Mfr.	Cross Ref.	Pkg.	Rating	1	10	100
14859	◆	C38M	TO-65	600 PRV, 35A (2N3899)	\$6.99	\$6.29	\$5.69
14736	◆	C106B1*	TO-202	200 PRV, 4A (2N6239)†	.67	.54	.46
14752	◆	C122B	TO-220	200 PRV, 8A	.73	.66	.63
14761	◆	C122M	TO-220	600 PRV, 8A†	1.35	1.25	.94
119802	◆	2N5060	TO-92	25 PRV, 0.8A	.21	.189	.16
211422	◆	2N5061	TO-92	60 PRV, 0.8A	.20	.143	.111
160135	TEC	S6025L	TO-220AB	600 V _{DRM} , 25A	1.69	1.54	1.39
885654	ON	2N6509	TO-220AB	800 V _{DRM} , 25A	1.11	1.08	.88

† Isolated *10 pcs. in Diode/Rectifier cabinet kit, pg 20

Rectifiers

NEW
MARKED IN PINK

QUANTITY
SAVE

*Web Code: LBD

Part No.	*Mfr.	Cross Ref.	Pkg.	Rating	* Order in multiples of 10		
					1	10	100
177754	TAT	T6A05L	T6L	50 PIV, 6A	\$.36	\$.32	\$.288
177762	TAT	T6A10L	T6L	100 PIV, 6A	.75	.65	.488
177818	TAT	T6A100L	T6L	1000 PIV, 6A	.80	.72	.54
879975	FSS	MURS120T3G	SMB	200V _{RRM} , 2A	.43	.39	.364
802353	ON	MUR460G	DO-201AD	600 @ 4A	.37	.353	.274
801617	ON	MR856G	Case-267	600 @ 3A	*	.13	.114
879810	ON	MUR860	TO-220AC/2	600 @ 8A	1.04	.94	.73
35924	◆	1N1188	DO-5	400 PRV, 35A	4.49	4.45	4.14
879596	ON	MUR3060PT	TO-218	200 @ 30A (Switchmode™)	2.95	2.65	2.25
35975	◆	1N4001*	DO-41	50 PRV, 1A	*	.04	.028
1537871	DDI	1N4001-T	DO-41	50 V _{RRM} , 1A	*	.048	.029
1537862	DDI	1N4001G-T	DO-41	50V _{RRM} , 1A	*	.055	.05
76961	◆	1N4002⊕	DO-41	100 PRV, 1A	*	.043	.032
1537889	DDI	1N4002-T	DO-41	100 V _{RRM} , 1A	*	.039	.029
76970	◆	1N4003	DO-41	200 PRV, 1A	*	.042	.016
1537897	DDI	1N4003-T	DO-41	200 V _{RRM} , 1A	*	.049	.021
35991	◆	1N4004**	DO-41	400 PRV, 1A	*	.04	.028
1543648	VSH	1N4004	DO-204AL	400 V _{RRM} , 1A	*	.029	.022
76988	◆	1N4005⊕	DO-41	600 PRV, 1A	*	.024	.016
76996	◆	1N4006	DO-41	800 PRV, 1A	*	.04	.03
36011	◆	1N4007⊕*	DO-41	1000 PRV, 1A	*	.042	.03
1537951	DDI	1N4007-T	DO-41	1000 V _{RRM} , 1A	.25	.107	.074
804543	ON	1N4007RLG	DO-41	1000 @ 1A	.25	.225	.127
879625	ON	MUR4100EG	DO-201AD	1000 @ 8A	.40	.35	.263
36249	◆	1N5401	DO-201AD	100 PIV, 3A	*	.134	.101
1538339	DDI	1N5401-T	DO-201AD	50 V _{RRM} , 3A	.45	.326	.192
77083	◆	1N5402	DO-27A	200 PRV, 3A	*	.138	.101
36265	◆	1N5404*	DO-27A	400 PRV, 3A	*	.133	.094
1538363	DDI	1N5404-T⊕	DO-201AD	400 V _{RRM} , 3A	.39	.267	.188
36273	◆	1N5408⊕*	DO-27A	1000 PRV, 3A	.25	.189	.11
1538380	DDI	1N5408-T	DO-201AD	1000 V _{RRM} , 3A	.39	.267	.188
177949	◆	1N5817⊕	DO-204AL	20 PIV, 1A	*	.12	.09
177957	◆	1N5818	DO-204AL	30 PIV, 1A	*	.07	.056
177965	◆	1N5819⊕	DO-204AL	40 PIV, 1A	*	.10	.075
1538419	DDI	1N5819HW-7-F	SOD-123	40 V _{RRM} , 1A (Schottky)	.71	.57	.42
177990	◆	1N5822	DO-201AD	40 PIV, 3A	.24	.20	.15
1538435	DDI	1N5822-T	DO-201AD	40 V _{RRM} , 3A (Schottky)	.74	.543	.40
743701	ON	1N5822RLG	DO-201AD	40 @ 3A	.32	.272	.204
618062	◆	40CPQ060⊕	TO-247AC	60 V _{RRM} , 40A (Schottky)	2.65	1.80	1.35
886657	ON	MBR20100CTG	TO-220AB/3	100 @ 20A	1.01	.80	.66

*10 pcs./ **100 pcs. in Diode/Rectifier cabinet kit, pg 20 ⊕ Blue Part No. = Limited Quantity Available

Bridge Rectifiers

*Web Code: MBD

Part No.	*Mfr.	Cross Ref.	Pkg. [†]	Rating	1	10	100
178001	◆	DF005M	DF	50 V _{RRM} , 1A	\$.49	\$.39	\$.29
103000	◆	DF01M	DF	100 V _{RRM} , 1A	.35	.25	.19
103042	◆	DF02M	DF	200 V _{RRM} , 1A	.35	.25	.19
102971	◆	DF04M	DF	400 V _{RRM} , 1A	.29	.25	.19
103034	◆	DF06M	DF	600 V _{RRM} , 1A	.30	.27	.19
103026	◆	DF10M	DF	1000 V _{RRM} , 1A	.32	.25	.21
256575	◆	DF08M	DIP-4	800 V _{RRM} , 1.5A	.29	.25	.188
145429	◆	KBP02M	KBP	200 V _{RRM} , 1.5A	.55	.45	.35
119562	◆	KBP04M	KBP	400 V _{RRM} , 1.5A	.54	.487	.327
279494	◆	W005G	WOG	50 V _{RRM} , 1.5A	.44	.36	.27
103018	◆	W02G	WOG	200 V _{RRM} , 1.5A	.49	.39	.34
102980	◆	W04G	WOG	400 V _{RRM} , 1.5A	.43	.40	.33
279515	◆	W10G	WOG	1000 V _{RRM} , 1.5A	.49	.39	.29
178124	◆	W005M	WOM	50 V _{RRM} , 1.5A	.55	.45	.337
178132	◆	W01M	WOM	100 V _{RRM} , 1.5A	.49	.42	.35
178141	◆	W02M	WOM	200 V _{RRM} , 1.5A	.45	.39	.32
178183	TAT	BR805D	BR8D	50 PIV, 2A	.55	.49	.367
178247	TAT	BR810D	BR8D	1000 PIV, 2A	.48	.43	.37
253260	◆	2KBP06M	KBP	600 V _{RRM} , 2A	.44	.40	.30
253286	◆	2KBP10M	KBP	1000 V _{RRM} , 2A	.55	.50	.44
1541431	DDI	RS402L	RS-4L	100 V _{RRM} , 4A	.83	.79	.74
299882	◆	GBPC1204	GBPC	400 V _{RRM} , 12A	2.49	2.09	1.65

* 10 pcs. in Diode/Rectifier cabinet kit, right

† DF/KBP/WOG/WOM/179-01 – plastic case; GBPC/TB35 – plastic case, metal base; MB35 – metal case

Bridge Rectifiers (Continued)

*Web Code: MBD

Part No.	*Mfr.	Cross Ref.	Pkg. [†]	Rating	1	10	100
299874	◆	GBPC1206	GBPC	600 V _{RRM} , 12A	\$3.15	\$2.65	\$1.91
179477	◆	GBPC25-01	GBPC	100 V _{RRM} , 25A	2.35	1.89	1.30
179485	◆	GBPC25-02	GBPC	200 V _{RRM} , 25A	2.39	1.94	1.46
1544704	VSH	GBPC2506-E4/1	GBPC	600 V _{RRM} , 25A	3.65	2.91	2.50
178280	◆	MB254	MB35	400 V _{RRM} , 25A	2.35	2.10	1.58
178335	TAT	TB252	TB35	200 PIV, 25A	2.09	1.85	1.39
25574	◆	MDA990-3	179-01	200 PIV, 30A	3.99	3.45	2.59
25591	◆	MDA990-6	179-01	600 PIV, 30A	4.59	4.29	3.22
178431	◆	MB358	MB35	800 V _{RRM} , 35A	3.59	3.29	2.47
178503	TAT	TB3510	TB35	1000 PIV, 35A	3.25	2.65	2.40

† DF/KBP/WOG/WOM/179-01 – plastic case; GBPC/TB35 – plastic case, metal base; MB35 – metal case

DDI = Diodes Incorporated | VSH = Vishay | ◆ Manufacturer Varies

Diode/Rectifier Assortment Cabinet Kit

420 pcs. (15 types) Diodes, Zener Diodes, Switching and Silicon Rectifiers

Includes: 20 drawer component cabinet (319600), 20 clear plastic drawers (319601), 20 clear dividers (319611), pg 151 and 30 adhesive labels for drawers to identify parts in kit.

10 each: 1N270, 1N751A, 1N4001, 1N4007, 1N4150, 1N4733A, 1N4735A, 1N4742A, 1N5404, 1N5408, C106B1, KBP04M
100 each: 1N914, 1N4004, 1N4148



SAVE 13%

Part No.	Description	Wt. (lbs.)	1	10
82587	420 pcs. (15 types) diode kit	5.0	\$42.95	\$38.95

Optoisolators & Optocouplers

Optoisolators

*Web Code: CAG

Part No.	*Mfr.	Cross Ref.	Pkg.	Description	1	10	100
40985	◆	4N25	DIP-6	NPN phototransistor output	\$.25	\$.237	\$.202
41005	◆	4N26	DIP-6	NPN phototransistor output	.25	.22	.165
41013	◆	4N28	DIP-6	NPN phototransistor output	.25	.22	.16
41021	◆	4N32	DIP-6	NPN photodarlington output	.29	.22	.15
41030	◆	4N33	DIP-6	NPN photodarlington output	.29	.25	.21
41056	◆	4N35	DIP-6	NPN phototransistor output	.29	.24	.18
114083	◆	ISQ203	DIP-16	High density NPN phototransistor	2.95	2.25	1.85
672245	◆	MOC205	SOIC-8	Monolithic phototransistor output	.65	.49	.29
26278	◆	MOC3010	DIP-6	Bilateral sw. non-zero crossing triac	.56	.49	.41
698912	FSC	MOC3010M	DIP-6	Random phase, triac driver output	.62	.47	.334
95020	◆	MOC3011	DIP-6	Random phase, triac driver output	.68	.52	.39
277780	◆	MOC3020	DIP-6	Bilateral sw. non-zero crossing triac	.55	.45	.338
95038	◆	MOC3021	DIP-6	Random phase, triac driver output	.69	.55	.39
277819	◆	MOC3023	DIP-6	Random phase, triac driver output	.59	.454	.35
277835	◆	MOC3041	DIP-6	Zero-cross, triac driver output	.89	.75	.49
277843	◆	MOC3043	DIP-6	Zero-cross, triac driver output	.77	.65	.391
133874	◆	MOC3063	DIP-6	Zero-cross, triac driver output	.87	.75	.61
320653	◆	PS2501-1	DIP-4	Single NPN phototransistor output	.35	.29	.25
320661	◆	PS2501-2	DIP-8	Dual NPN phototransistor output	.75	.59	.51
160338	◆	PS2501-4	DIP-16	Quad NPN phototransistor output	1.15	1.07	.92
320696	◆	PS2502-2	DIP-8	Dual NPN photodarlington output	1.42	1.16	1.05
160362	◆	PS2502-4	DIP-4	Quad NPN photodarlington output	1.75	1.61	1.21
320709	◆	PS2505-1	DIP-4	NPN phototransistor output	.40	.338	.315
320725	◆	PS2505-4	DIP-16	Quad NPN phototransistor output	2.05	1.79	1.53
320805	◆	PS2532-4	DIP-16	Quad hi collector to emitter voltage	2.35	2.25	2.09



The Best Warranty in the Industry

All Jameco purchases are guaranteed for a full 90 days and even longer for Jameco House Brands.

▲ This product typically requires one to two additional days to ship. Please request 'ship partial' if you prefer the other products on your order to ship immediately. A separate shipping charge would apply.

* AVT = Avago Technology | CLA = Clare | DDI = Diodes Incorporated | FSC = Fairchild Semi | IFT = Infineon Technology | LTO = Lite On | OPT = Optek | TAT = Taitron | VSH = Vishay | ◆ Manufacturer Varies

*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 159.

Optocouplers

*Web Code: NAK

Part No.	*Mfr.	Cross Ref.	Pkg.	Description	1	10	100
277510	◆	6N135	DIP-8	Hi-speed photodetector transistor	\$.89	\$.69	\$.45
42471	◆	6N136	DIP-8	Hi-speed phototransistor output	.75	.64	.48
113911	◆	6N137	DIP-8	Hi CMR, hi-speed logic gate output	.65	.51	.383
42489	◆	6N138	DIP-8	Hi-speed photodarlington output	.79	.59	.45
113929	◆	6N139	DIP-8	Hi-speed photodarlington output	.89	.69	.55
18825	◆	H11AA1	DIP-6	AC input/phototransistor	.65	.55	.35
113988	◆	H11L1	DIP-6	μPROC compatible Schmitt trigger	.63	.58	.56
871341	FSC	H11L1M	DIP-6	Logic output	.75	.68	.60
1549978	AVT	HCPL-2211	DIP-8	Very high CMR, wide Vcc logic gate	2.69	2.37	2.11
1628676	IFT	ILQ2	DIP-16	Quad channel NPN phototransistor	1.79	1.45	1.37
24918	◆	MCT6	DIP-8	High density NPN phototransistor	.62	.55	.42
672325	◆	MCT62	DIP-8	Dual channel NPN phototransistor	.66	.504	.369
878243	LTO	LTV-817	DIP-4	Single ch. phototransistor output	.22	.17	.15
878286	LTO	LTV-847	DIP-16	Quad ch. phototransistor output	.83	.71	.416
1583156	CLA	PD2401	DIP-16	AC solid st. sw. w/ dual pwr SCR output	5.79	4.70	4.15

Slotted Optical Switches



*Web Code: XAP

Part No.	*Mfr.	Cross Ref.	Pkg.	Description	1	10	100
114091	◆	H21A1	4-pin w/ tab	Single channel interrupter	\$.79	\$.74	\$.63
1872994	OPT	OPB826S	8-pin	Dual channel	8.49	6.95	6.08



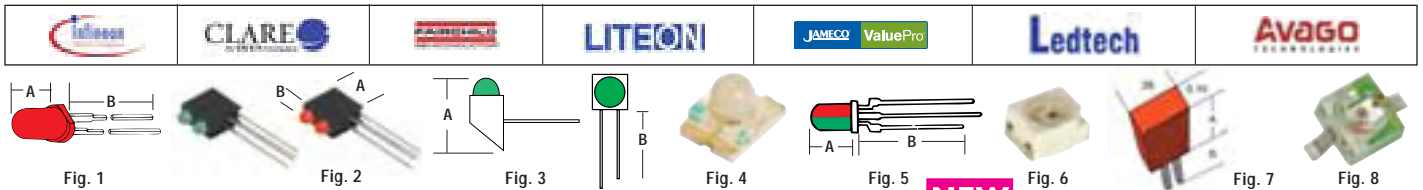
Miniature Link Package Receiver

Designed to provide cost effective, high performance fiber optic communication links for information systems and industrial applications with link distances of up to 2.7km.



Part No.	Product No.	Description	1	10	100
1584642	HFBR-2402Z	SMA, Rx, 5MBd, TTL output	\$19.95	\$17.49	\$16.49

*Fiber Optics Available Online — Enter Web Code NBR



Standard-Output LEDs

See page 23 for LED Mounting Hardware

NEW
MARKED IN PINK

★ Web Code: FAF

* Order in multiples of 10

Part No.	Cross Ref. No.	Mfr.	Fig.	Emitting Color	Lens/Feature Description	LED Size	Diameter Inch/mm	Dimensions		Lead Spacing	Typical Vf	Typical mcd	Wavelength nm	Viewing Angle	Pricing		
								A*	B*						1	10	100
34657	LY2040	JVP	1	Yellow	Yellow diffused (XC209Y)	T1	0.119/3	0.16	0.68	0.08	2.3	15	585	36	*	\$.13	\$.11
206480	LVY2041	JVP	1	Yellow	Yellow transparent	T1	0.119/3	0.17	0.69	0.08	2.3	450	595	30	*	.14	.12
697688	LTL-4251N	LTO	1	Yellow	Yellow diffused	T1	0.118/3	0.175	1.00	0.10	2.1	5.6	585	60	*	.087	.068
202471	MVL-301HR	♦	1	Orange	Red diffused	T1	0.119/3	0.14	1.12	0.10	2.0	9.0	640	N/A	*	.087	.059
136282	LA44B/2I	JVP	2	Orange	Red diffused (dual)	T1	0.119/3	0.38	0.17	0.10	1.7	12	635	50	.69	.60	.48
152751	LT0344R-41	LED	1	Orange Red	Red clear	T1	0.119/3	0.20	0.89	0.10	2.1	52.9	635	36	.25	.23	.20
152785	LT0341R-41	LED	1	Orange Red	Red diffused	T1	0.119/3	0.20	0.89	0.10	2.1	15.5	635	56	.20	.17	.15
333171	HLMP-K155-JV	JVP	1	Red	Red clear	T1	0.119/3	0.19	1.04	0.10	1.6	3.0	660	45	*	.111	.098
333851	UT6371-41-M1	JVP	1	Red	Red diffused	T1	0.119/3	0.17	0.98	0.10	1.7	63	660	47	*	.13	.104
206498	LHR2041	JVP	1	Red	Red transparent	T1	0.119/3	0.17	0.69	0.08	2.0	350	660	30	.23	.17	.15
94529	LH2040	JVP	1	Red	Red diffused (XC209RB)	T1	0.119/3	0.18	1.04	0.07	2.3	4.5	697	36	.21	.19	.15
114673	LH2043	JVP	1	Red	Water clear (BR209)	T1	0.119/3	0.14	0.98	0.07	2.3	12	697	30	.22	.19	.15
697581	LTL-4221	LTO	1	Hi-eff Red	Red diffused	T1	0.118/3	0.207	1.00	0.10	2	8.7	635	40	*	.086	.084
697590	LTL-4221N	LTO	1	Hi-eff Red	Red diffused	T1	0.118/3	0.175	1.00	0.10	2	8.7	635	60	*	.087	.068
697565	LTL-4211N	LTO	1	Bright Red	Red diffused	T1	0.118/3	0.175	1.00	0.10	2.1	4.4	697	60	*	.087	.068
94553	LHG2062	JVP	1	Red/Green	White diffused bi-color/bi-state ¹	T1	0.119/3	0.18	1.06	0.08	2.3	3 & 15	697/565	36	.29	.25	.20
156946	LT0362-25-D61	LED	2	Red/Green	White diff. bi-color/ tri-state	T1	0.119/3	0.16	0.87	0.08	2.1	2.7/13.3	700/567	50	.29	.25	.19
34606	LSG2040	JVP	1	Green	Green diffused (XC209G)	T1	0.119/3	0.13	1.05	0.08	2.2	15	560	50	*	.15	.13
333201	LG12340	JVP	1	Green	Green diffused	T1	0.119/3	0.13	0.98	0.10	1.7	9.6	565	112	*	.125	.10
136274	LA44B/2G	JVP	2	Green	Green diffused (dual)	T1	0.119/3	0.38	0.17	0.10	2.3	15	565	50	.75	.59	.48
175679	LVG2041	JVP	1	Green	Green transparent	T1	0.119/3	0.17	0.69	0.08	2.2	129	565	30	*	.08	.059
114681	LVG2043	JVP	1	Green	Water clear (BG209)	T1	0.119/3	0.14	0.98	0.07	2.2	129	565	30	*	.071	.061
156930	LT0321-41-HE	LED	1	Green	Green diffused	T1	0.118/3	0.16	0.88	0.10	2.1	32	567	56	*	.162	.099
211086	LTL-4231N-022	LTO	1	Green	Green diffused	T1	0.119/3	0.13	1.10	0.10	2.1	12.6	565	N/A	*	.055	.045
697637	LTL-4231N	LTO	1	Green	Green diffused	T1	0.118/3	0.175	1.00	0.10	2.1	12.6	565	60	*	.087	.068
697629	LTL-4231	LTO	1	Green	Green diffused	T1	0.118/3	0.207	1.00	0.10	2.1	12.6	565	40	*	.071	.056
137411	LVB2040	JVP	1	Blue	Blue diffused	T1	0.119/3	0.21	0.98	0.10	4.8	10	430	50	1.49	1.35	1.19
334457	LSBI2640	JVP	1	Blue	Blue diffused	T1	0.119/3	0.17	0.98	0.10	3.8	50	430	40	.99	.85	.71
333383	UT6381-41-M1A2	JVP	1	Blue	Blue diffused	T1	0.119/3	0.17	0.98	0.10	3.8	50	466	54	1.05	.95	.83
34825	LY3330	JVP	1	Yellow	Yellow diffused (XC556Y)	T1 3/4	0.197/5	0.30	0.82	0.07	2.3	12	585	36	.25	.19	.15
104264	LA93B/Y-1	JVP	3	Yellow	Yellow diffused (XC410Y)	T1 3/4	0.197/5	0.35	0.89	0.08	2.3	25	585	46	.44	.368	.216
334108	UT1831-81-S	JVP	1	Yellow	Yellow diffused	T1 3/4	0.197/5	0.34	0.98	0.10	2.1	16.4	589	44	*	.12	.09
333622	LHY3330/HO	JVP	1	Yellow	Yellow diffused	T1 3/4	0.197/5	0.34	0.98	0.10	1.7	350	595	40	.35	.26	.20
697549	LTL-307Y	LTO	1	Yellow	Yellow diffused	T1 3/4	0.197/5	0.34	0.90	0.10	0.1	29	585	50	*	.071	.056
152831	LT1831-81-UR	LED	1	Bright ylw	Yellow diffused	T1 3/4	0.197/5	0.34	0.89	0.10	2.0	424	593	41	.29	.26	.24
333973	UT1871-81-M1	JVP	1	Red	Red diffused	T1 3/4	0.197/5	0.34	0.98	0.10	1.7	75	660	25	*	.10	.08
94511	LH3330	JVP	1	Red	Red diffused (XC556RB)	T1 3/4	0.197/5	0.31	0.81	0.08	2.3	3	697	36	.20	.16	.12
104248	LA93B/H-1	JVP	3	Red	Red diffused (XC410R)	T1 3/4	0.197/5	0.35	0.89	0.08	2.3	6.5	697	46	.26	.23	.19
34745	LH3333	JVP	1	Red	Water clear (XC554R)	T1 3/4	0.197/5	0.30	1.00	0.08	2.3	7.5	697	20	.19	.15	.12
242844	LT1811-81	LED	1	Red	Red diffused	T1 3/4	0.197/5	0.30	0.88	0.10	2.1	4.1	700	44	*	.12	.10
34690	LFH3360	JVP	1	Red	Red diff. blinking (XC5410) ²	T1 3/4	0.197/5	0.30	0.94	0.07	3-12V	2.8	697	N/A	.49	.45	.39
1584773	HLMP-4000S010	AVT	2	Gm/Hi-eff Red	Diffused, bi-color	T1 3/4	0.197/5	0.36	1.05	0.10	2.2/1.9	4.2/2.1	568/635	65	.70	.63	.55
302033	LT1814-81	LED	1	Orange	Red diffused	T1 3/4	0.197/5	0.34	0.88	0.10	2.1	23.1	635	22	*	.094	.071
334378	UT1841R-81	JVP	1	Hi-eff Red	Red diffused	T1 3/4	0.197/5	0.34	0.98	0.10	2.1	23.1	630	44	*	.098	.064
697522	LTL-307E	LTO	1	Hi-eff. Red	Red diffused	T1 3/4	0.197/5	0.34	0.9	0.10	2.0	19	635	50	*	.071	.056
697602	LTL-4223	LTO	1	Hi-eff. Red	Red diffused	T1 3/4	0.197/5	0.34	1.00	0.10	2.0	19	635	36	*	.087	.068
790081	LTL-10223W	LTO	1	Hi-eff. Red	Red diffused	T1 3/4	0.187/4.75	0.283	1.00	0.10	2.0	60	623	60	*	.07	.056
697573	LTL-4213	LTO	1	Bright Red	Red diffused	T1 3/4	0.197/5	0.34	1.00	0.10	2.1	3.7	697	36	*	.071	.056
790225	LTL-307P	LTO	1	Bright Red	Red diffused	T1 3/4	0.197/5	0.34	0.90	0.10	2.1	5.6	697	50	*	.071	.056
34711	LEG3362	JVP	1	Red/Green	White diffused bi-color/bi-state ¹	T1 3/4	0.197/5	0.30	1.01	0.09	2.3	7.5	635/565	30	.32	.27	.22
334182	LGH3362	JVP	5	Red/Green	White diff. bi-color/solid state ¹	T1 3/4	0.197/5	0.34	0.98	0.10	1.7	2.0 & 8.0	697/565	30	.34	.28	.21
34673	LHG3392	JVP	5	Red/Green	White diff. bi-color/tri-state ¹	T1 3/4	0.197/5	0.30	1.02	0.03	2.3	3 & 12	697/565	70	.29	.25	.22
697557	LTL-30EFJ	LTO	2	Bright Red/Gm	White diffused, bi-color	T1 3/4	0.197/5	0.41	0.945	0.10	2.1/2.1	5.6/19	697/565	30	.29	.27	.25
34761	LG3330	JVP	1	Green	Green diffused (XC556G)	T1 3/4	0.197/5	0.31	0.79	0.09	2.3	12	565	36	.20	.15	.14

*10 pcs. in LEDs & LED Mounting Hardware cabinet kit, pg 23 ¹ Reverse polarity to change color ² Volt. shown is operating volt. range; no current limiting resistor required.

Standard Output LEDs continued on next page

* AVT = Avago Technology | JVP = Jameco ValuePro | LED = Ledtech | LTO = Lite-On | ♦ = Manufacturer Varies

* For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 159.

Standard-Output LEDs (Continued)

Figure images on previous page

NEW
MARKED IN PINK

★ Web Code: FAF

* Order in multiples of 10

Part No.	Cross Ref. No.	*Mfr.	Fig.	Emitting Color	Lens/Feature Description	LED Size	Diameter inch/mm	Dimensions		Lead Spacing	Typical Vf	Typical mcd	Wavelength nm	Viewing Angle	Pricing		
								A*	B*						1	10	100
334086	LG13740	JVP	1	Green	Green diffused	T1 3/4	0.197/5	0.34	0.98	0.10	1.7	20	565	68	*	\$.109	\$.09
104256	LA93B/G-1	JVP	3	Green	Green diffused (XC410G)	T1 3/4	0.197/5	0.35	0.89	0.08	2.3	30	565	46	.26	.22	.20
697653	LTL-4233	LTO	1	Green	Green diffused	T1 3/4	0.197/5	0.4	1.00	0.10	2.1	19	565	36	*	.087	.068
697531	LTL-307G	LTO	1	Green	Green diffused	T1 3/4	0.197/5	0.34	1.00	0.10	2.1	19	565	50	*	.071	.056
333227	LG13530	JVP	1	Hi-eff green	Green diffused	T1 3/4	0.197/5	0.34	0.98	0.10	1.7	25	565	70	.20	.18	.144
156962	LT1823-81-HE	LED	1	Green	Water clear	T1 3/4	0.197/5	0.34	0.87	0.10	2.1	500	567	19	.22	.19	.17
152822	LT1821-81-HE	LED	1	Green	Green diffused	T1 3/4	0.197/5	0.34	0.89	0.10	2.1	96	567	41	.20	.16	.12
138691	LVB3330	JVP	1	Blue	Blue diffused	T1 3/4	0.197/5	0.34	0.98	0.10	4.8	10	430	36	1.75	1.58	1.26
137613	LSBI3333	JVP	1	Blue	Water clear	T1 3/4	0.197/5	0.34	0.98	0.08	3.8	160	430	15	2.05	1.61	1.41
138683	LHR3630	JVP	1	Red	Red diffused XJumbo (XC10R)	T3 3/4	0.394/10	0.40	1.04	0.10	2.0	100	660	32	.65	.55	.45
692537	MSL-204G	MCD	6	Green	Water clear	PLCC-2	—	0.11	0.13	—	2.1	15	570	120	.45	.381	.305
658321	MSL-204DR	MCD	6	Red	Water clear	PLCC-2	—	0.11	0.13	—	1.8	50	657	120	.49	.39	.32
658347	MSL-204MW	MCD	6	White	Water clear	PLCC-2	—	0.08	0.13	—	3.5	400	—	120	1.19	1.01	.80
1553782	HLMP-0504	AVT	7	Green	Tinted/diffused (rect.)	—	2.5 x 7.6mm	0.32	0.30	0.10	2.2	2.6	565	100	.89	.75	.55
1555690	HLMP-P205-F0011	AVT	8	Hi-eff Red	Untinted/non-diffused	0.07mm	FT sub	0.10	0.46	Axial	1.8	8.0	635	125	.48	.43	.39
302535	LT1F24-A2-S8	LED	—	Green	Backlight, diffused; 8-pin; 1.56"L x 0.98"W x 0.15"T	—	—	—	—	—	4.2	24.8	567	—	1.25	.99	.75

*10 pcs. in LEDs & LED Mounting Hardware cabinet kit, pg 23

JAMECO ValuePro

High-Output LEDs

NEW
MARKED IN PINK

Fig. 1

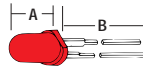


Fig. 2



Fig. 3



★ Web Code: RBJ

* Order in multiples of 10

Part No.	Cross Ref. No.	*Mfr.	Fig.	Emitting Color	Lens/Feature Description	LED Size	Diameter inch/mm	Dimensions		Lead Spacing	Typical Vf	Typical mcd	Wavelength nm	Viewing Angle	Pricing		
								A*	B*						1	10	100
217525	MCDPW-3004C	JVP	1	White	Water clear	T1	0.119/3	0.18	1.00	0.10	3.8	3000	—	30	\$2.69	\$2.55	\$2.43
1584870	HLMP-CW30-SV000	AVT	1	White	Untinted/non-diffused	T1 3/4	0.197/5	0.34	1.20	0.10	3.6	1900	—	30	1.33	.86	.65
333577	LUY53333	JVP	1	Yellow	Water clear	T1 3/4	0.197/5	0.34	0.98	0.10	1.7	2700	587	20	*	.269	.245
333614	LUY3833H	JVP	1	Yellow	Water clear	T1 3/4	0.197/5	0.34	0.98	0.10	1.7	5000	590	12	.35	.29	.25
333569	LUY333/A	JVP	1	Yellow	Water clear	T1 3/4	0.197/5	0.35	1.0	0.10	1.7	1500	595	20	.35	.34	.24
197617	BUV-5E1QH4E	JVP	1	Red	Water clear	T1 3/4	0.197/5	0.30	1.05	0.08	1.8	2180	630	15	.39	.35	.29
334423	UT9C13-86-UDC2	JVP	1	Red	Water clear	T1 3/4	0.197/5	0.34	0.98	0.10	1.9	2700	630	18	.30	.258	.144
333518	LUR13233	JVP	1	Red	Water clear	T1 3/4	0.197/5	0.35	0.98	0.10	1.5	2400	660	18	.26	.23	.18
333526	LUR3833	JVP	1	Red	Water clear	T1 3/4	0.197/5	0.35	0.98	0.10	1.5	2700	660	12	.23	.196	.132
1586189	UT1813-83-UJEI	LED	1	Red	Water clear	T1 3/4	0.197/5	0.34	1.00	0.10	2.1	5500	632	25	.39	.35	.29
1584917	HLMP-E08-Y2000	AVT	1	Red	Red untinted/non-diffused	T1 3/4	0.197/5	0.34	1.20	0.10	1.9	9300	635	6	.69	.405	.237
152805	LT1873-81-UR	LED	1	Red Ult. Bright	Water clear	T1 3/4	0.197/5	0.34	0.89	0.10	1.9	2000	660	12	.22	.19	.17
197683	BVT-5E1QT4ER	JVP	1	Orange Red	Water clear	T1 3/4	0.197/5	0.29	1.08	0.08	2.3	4650	634	15	.67	.59	.48
334473	LDGL3333/H0	JVP	1	Green	Water clear	T1 3/4	0.197/5	0.34	0.98	0.10	3.5	3400	502	22	1.95	1.50	1.12
183214	MCDPG-503PC1	JVP	1	Green	Water clear	T1 3/4	0.197/5	0.30	1.04	0.08	3.5	2200	515	10-15	1.89	1.60	1.40
1586197	UT4123-4D-UBC	LED	1	Green	Water clear	T1 3/4	0.197/5	0.32	1.00	0.10	3.0	2500	500	28	.79	.75	.67
1555358	HLMP-CM15-W0000	AVT	1	Green	Green non-diffused	T1 3/4	0.197/5	0.34	1.00	0.10	3.8	5500	524	15	1.65	1.04	.78
183222	MCDL-513SBC4	JVP	1	Blue	Water clear	T1 3/4	0.197/5	0.29	1.02	0.08	3.6	3000	470	25	2.99	2.70	2.55
1584861	HLMP-CB15-R0000	AVT	1	Blue	Blue untinted/non-diff.	T1 3/4	0.197/5	0.34	1.20	0.10	3.8	1500	472	15	1.29	.82	.62
334502	LWK3333	JVP	1	White	Water clear	T1 3/4	0.197/5	0.34	0.98	0.10	3.5	5000	—	16	2.19	1.85	1.55
334773	UT18W3-86-UF1-P22	JVP	1	White	Water clear	T1 3/4	0.197/5	0.34	1.00	0.10	3.6	2900	475	25	2.69	2.34	2.10
183231	BUV-5C14WK4-B	JVP	1	White	Water clear	T1 3/4	0.197/5	0.30	1.06	0.08	3.5	3000	—	10	1.95	1.75	1.59
142894	BUV-5E1WK4-B	JVP	1	White	Water clear	T1 3/4	0.197/5	0.34	0.79	0.08	3.5	3700	—	15	2.89	2.59	2.29
320531	MCDL-5013UWC	JVP	1	White	Water clear	T1 3/4	0.197/5	0.30	1.00	0.10	3.8	5000	—	15	1.69	1.39	.99
197641	BVT-529TT8E	JVP	2	Yellow	Yellow transparent	Oval	0.170"/.220"	0.29	1.04	0.08	2.3	3600	592	70	.79	.69	.59
404582	MCDL-1860UWC-15C	JVP	3	Ultra White	Water clear (7.62mm sq.)	3mm dome	0.119/3	0.30	0.30	0.20	3.5	3500	—	75	2.25	1.95	1.72
664341	MCDL-1870UWC-15C	JVP	3	White	Water clear (7.62mm sq.)	3mm dome	0.119/3	0.30	0.30	0.20	3.5	6500	—	40	2.75	2.45	2.19
664405	MCDL-1860UEC-TL	JVP	3	Hi-Eff Red	Water clear (7.62mm sq.)	3mm dome	0.119/3	0.30	0.30	0.20	2.0	3200	625	75	1.39	1.25	1.09
1952222	LTL912SEKSH	LTO	3	Hi-Eff Red	Water clear (7.62mm sq.)	3mm dome	0.119/3	0.30	0.30	0.20	2.5	3750	628	60	.59	.49	.45
664413	MCDL-1870UEC-TL	JVP	3	Hi-Eff Red	Water clear (7.62mm sq.)	3mm dome	0.119/3	0.30	0.30	0.20	2.0	4200	625	40	1.39	1.25	.99
664392	MCDL-1870UVC-TL	JVP	3	Amber	Water clear (7.62mm sq.)	3mm dome	0.119/3	0.30	0.30	0.20	2.0	4200	590	40	1.15	.99	.85
404603	MCDL-1860UGC-TL	JVP	3	Green	Water clear (7.62mm sq.)	3mm dome	0.119/3	0.30	0.30	0.20	3.5	3500	525	75	2.59	2.34	2.10
664376	MCDL-1870UGC-TL	JVP	3	Green	Water clear (7.62mm sq.)	3mm dome	0.119/3	0.30	0.30	0.20	3.5	7500	525	30	2.15	1.95	1.55
404591	MCDL-1860UBC-15C	JVP	3	Blue	Water clear (7.62mm sq.)	3mm dome	0.119/3	0.30	0.30	0.20	3.5	2500	470	75	2.15	1.95	1.59



Answering Your Questions

Our Tech Support Department is ready to answer any questions you may have.
Stumped on a project?
Give them a call at 1-800-831-4242.

* AVT = Avago | JVP = Jameco ValuePro | LED = Ledtech | LTO = Lite-On | MCD = MCD Electronics

* For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 159.

LITEON	JAMECO ValuePro	MCD	Ledtech	AVAGO
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Medium-Output LEDs

Fig. 1

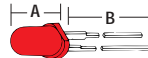


Fig. 2



Fig. 3

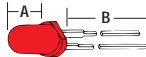


* Web Code: MBW

* Order in multiples of 10

Part No.	Cross Ref. No.	*Mfr.	Fig.	Emitting Color	Lens/Feature Description	LED Size	Diameter inch/mm	Dimensions A" B"	Lead Spacing	Typical Vf	Typical mcd	Wavelength nm	Viewing Angle	Pricing		
156954	LT0373-41	LED	1	Red Super Bright	Water clear	T1	0.119/3	0.21 1.07	0.08	1.7	600	660	46	\$.29	\$.24	\$.22
334749	UT6B3-41-UR33	JVP	1	Blue	Water clear	T1	0.119/3	0.17 0.94	0.10	3.2	900	470	45	1.39	1.32	1.09
334764	CMD204UWC-JV	JVP	1	White	Water clear	T1	0.119/3	0.20 1.00	0.10	3.7	900	475	30	2.79	2.34	2.10
206501	LVS3331	JVP	1	Yellow	Yellow transparent	T1 3/4	0.197/5	0.24 1.07	0.07	2.2	700	595	20	*	.258	.176
206519	LHR3331	JVP	1	Red	Red transparent	T1 3/4	0.197/5	0.24 1.07	0.07	2.0	660	550	20	.22	.19	.15
152864	BVU-501RD4	JVP	1	Red Super Bright	Water clear	T1 3/4	0.197/5	0.34 0.89	0.10	1.9	600	660	20	.29	.24	.19
333551	LVG13233	JVP	1	Green	Water clear	T1 3/4	0.197/5	0.35 0.98	0.10	1.7	600	565	18	.21	.171	.157
334465	LDBK3331/HO	JVP	1	Blue	Blue transparent	T1 3/4	0.197/5	0.34 0.98	0.10	3.5	900	470	26	1.79	1.55	1.29
1555315	HLMP-CB15-P0000	AVT	1	Blue	Blue non-diffused	T1 3/4	0.197/5	0.34 1.00	0.10	3.8	880	470	15	1.29	.82	.62
1555331	HLMP-CB30-M0000	AVT	1	Blue	Blue non-diffused	T1 3/4	0.197/5	0.34 1.00	0.10	3.8	520	470	30	1.30	.83	.69
334756	UT5KW3-AA-UAE3-T01	JVP	2	White	Water clear	SMD1206	—	0.08 0.14	—	3.2	550	—	120	2.99	2.70	2.34
697830	LTST-C930KRKT	LTO	3	Red	Water clear	Dome	3.2mm x 2.4mm	0.09 0.02	0.10	2.0	850	639	25	*	.151	.118

HLMP Series LEDs



* Web Code: FBQ

Part No.	Product No.	Emitting Color	Lens/Feature Description	LED Size	Diameter inch/mm	Dimensions A" B"	Lead Spacing	Typical Vf @ If (mA)	Typical mcd @ mA	Wavelength nm	Viewing Angle	Pricing			
253278	HLMP-1301	Red	Diffused	T1	0.119/3	0.19 1.00	0.10	1.9 @ 10	5.4 @ 10	635	60	\$.26	\$.151	\$.098	\$.083
253665	HLMP-1540	Green	Clear	T1	0.119/3	0.19 1.00	0.10	45 @ 20	2.2 @ 20	565	45	.24	.19	.17	.15
253753	HLMP-3301	Red	Diffused	T1 3/4	0.197/5	0.36 1.00	0.10	2.4 @ 10	5.4 @ 10	635	60	.36	.205	.134	.105
253833	HLMP-4740	Green	Diffused	T1 3/4	0.197/5	0.36 1.00	0.10	2.2 @ 2	2.3 @ 2	565	50	.51	.297	.171	.161

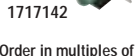
Dialight

PCB Indicator LEDs

- Lead size: T1
- Lead spacing: 0.1mm
- Typical Vf: 2.1
- Diameter inch/mm: 0.119/3

1715438: Dimension: 0.28" x 0.145"

1717142: Dimension: 0.60" x 0.145"



* Web Code: JEB

* Order in multiples of 10

Part No.	Product No.	Emitting Color	Wavelength nm	Viewing Angle	Pricing		
1715438	551-0207F	High efficiency green	563	45	\$.525	\$.431	
1717142	564-0100-222F	Green	—	—	2.25	1.74	1.62

AVAGO

LED Housing

- Right angle housing
- For T1 3/4 LEDs



* Web Code: XDT

Part No.	Product No.	1	10	100
1554890	HLMP-5029	\$.49	\$.29	\$.19

LED Mounting Hardware



- Color: black
- Order in multiples of 10

NEW MARKED IN PINK

* Web Code: KAL

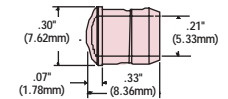
Part No.	Cross Ref. No.	Mfr.	Description	Mounting Hole Dia.	Panel Thickness	Pricing		
95513	LMH100	LIG	T1 snap-in	.185"	Up to .070"	\$.088	\$.07	\$.046
23077	LMH200	LIG	T1 1/4 ring/clip	.257"	Up to .125"	.15	.14	.12
1766526	4304MC	CML	T1 1/4 ring/clip	.250"	Up to .125"	.143	.113	.09



Cliplite® Panel Lens for PCB Mounted LEDs

T1-3/4 size low-profile panel lenses provide 180° viewing angle.

* Web Code: UAK



Part No.	Type	Size	Color	1	10	100	1000
143132	CMC321CTP	T1 3/4	Clear	\$.29	\$.255	\$.182	\$.138

LEDs & LED Mounting Hardware Kit

Includes:

- 20-drawer component cabinet (319600), 20 clear plastic drawers (319601), 20 clear dividers (319611), pg 151 and labels
- 10 ea. standard-output LEDs (34657, 114673, 114681, 34606, 34825, 34711, 104248, 34690, 34761, 104256, 34673), pg 21
- 11359, on web and LED lens mount (14277), pg 23
- 100 ea. LEDs (94529), pg 21 & 135597, on web
- 100 ea. LED mounting hardware (95513, 23077), pg 23



Part No.	Description	Wt. (lbs.)	1	10
84996	560 piece kit	5.0	\$69.99	\$63.49

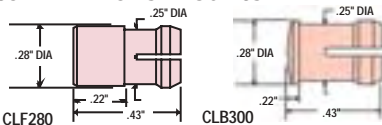
SAVE \$21



T1 3/4 Cliplite® LED Lens Mounts

Standard and low profile, provide 180° viewing angle. Colors: red and clear.

* Web Code: UAK



Part No.	Type	Size	Color	1	10	100	1000
29612	CLF280RTP	T1 3/4	Red	\$.29	\$.255	\$.182	\$.138
14277	CLF280CTP	T1 3/4	Clear	.28	.257	.216	.157
124927	CLB300CTP	T1 3/4	Clear	.29	.255	.182	.138



Conxrite Pre-Wired Solderless LED Interconnects

Designed to replace labor-intensive hard-wiring of panel-mounted LEDs to PCB.

* Web Code: UAK

Part No.	Type	Fig.	LED Type	Termination	Length	1	10	100	1000
417439	CNXXB2118	1	T1 (3mm) Bi-lead	Stripped leads	18"	\$1.95	\$1.75	\$1.48	\$1.11
143037	CNXXE2108	2	T1 3/4 (5mm) Bi-lead	2 position connector	8"	1.49	1.29	1.25	1.19
417501	CNXXC2112	2	T1 3/4 (5mm) Bi-lead	Stripped leads	12"	1.79	1.55	1.26	1.07

* This product typically requires one to two additional days to ship. Please request 'ship partial' if you prefer the other products on your order to ship immediately. A separate shipping charge would apply.

* AVT = Avago | CML = CML Innovative | JVP = Jameco ValuePro | LED = Ledtech | LIG = Ligitek | LTO = Lite-On

* For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 159.



4x7 Hex Character



Single Digit RHDP



Single Digit RHDP/LHDP



2-Digit RHDP



3-Digit RHDP



4-Digit RHDP



10-Bar Graph



Dot Matrix

7-Segment LED Displays

NEW
MARKED IN PINK

Soldering: • Soldering bath: not more than 5 seconds @ 260°C • Soldering iron: not more than 3 seconds @ 300°C under 30W

QUANTITY
SAVE

★ Web Code: PBW

Part No.	Manufacturer	Product No.	Character Height	Illuminated Color	Bus Polarity*	Pins/Leads	Typical Vf @ If (mA)	Typical mcd @ mA	Wavelength nm	Decimal Point #	Pricing		
											1	10	100
32951	Texas Inst.	TIL311	0.27"	Red	4 x 7 Hex	14	5.0 @ 5	0.1 @ 5	660	LHDP/RHDP	\$17.95	\$15.95	\$13.95
335011	Jameco ValuePro	UA3041-12	0.30"	Orange	CA	10	2.1 @ 20	3.3 @ 10	635	RHDP	1.20	1.17	1.13
334984	Jameco ValuePro	UA3051-12	0.30"	Red	CA	10	2.1 @ 20	0.8 @ 10	700	RHDP	.95	.83	.71
24783	MCD	GNS-3011CH-11	0.30"	Red	CC	10	2.1 @ 20	2.5 @ 20	697	RHDP	1.11	1.07	.90
24732	MCD	GNS-3011BH-11	0.30"	Red	CA	11	1.9 @ 20	0.3 @ 20	697	RHDP	.89	.75	.55
24741	MCD	GNS3011FH-11-13	0.30"	Red	CA	11	2.1 @ 20	2.5 @ 20	697	LHDP	.95	.87	.77
335054	Jameco ValuePro	UN4043-13 EWRS	0.40"	Orange	3-digit CA	12	2.1 @ 20	3.3 @ 10	635	RHDP	2.09	1.96	1.88
17209	MCD	GNS-5011BH-11	0.50"	Red	CA	10	2.1 @ 20	0.9 @ 20	697	RHDP	1.45	1.23	1.11
17187	Ligitek	LSD5051-11	0.50"	Red	CC	10	2.1 @ 20	0.9 @ 20	697	RHDP	1.09	.99	.89
104213	Ligitek	LSD5124-10	0.56"	Orange Red	CA	10	2.0 @ 20	2.4 @ 20	635	RHDP	.89	.80	.68
308224	Ledtech	LM5643R-11RRRN	0.56"	Orange	3-digit CC	11	2.1 @ 20	3.3 @ 10	635	RHDP	1.85	1.66	1.45
24715	Ligitek	LDD5121-20	0.56"	Red	2-digit CA	18	2.1 @ 20	0.8 @ 20	697	RHDP	1.49	1.26	1.07
24723	Ligitek	LDD5111-11	0.56"	Red	2-digit CC	18	2.1 @ 20	0.8 @ 20	697	RHDP	1.35	1.25	1.05
24707	Ligitek	LDD5114-20	0.56"	Orange Red	2-digit CC	18	2.0 @ 20	2.4 @ 20	635	RHDP	1.59	1.43	.98
334933	Jameco ValuePro	UC5652-11	0.56"	Red	2-digit CC	18	2.1 @ 20	0.8 @ 10	700	RHDP	1.49	1.24	1.07
335090	Jameco ValuePro	UA5651-11	0.56"	Red	CA	10	2.1 @ 20	0.8 @ 10	700	RHDP	1.29	1.15	1.09
334896	Jameco ValuePro	UC5641R-11	0.56"	Hi-eff Red	CC	10	2.1 @ 20	3.3 @ 10	635	RHDP	1.19	1.18	.81
334942	Jameco ValuePro	UC5642R-11	0.56"	Hi-eff Red	2-digit CC	18	2.1 @ 20	3.3 @ 10	635	RHDP	1.49	1.00	.75
334976	Jameco ValuePro	UA5642R-11	0.56"	Hi-eff Red	2-digit CA	18	2.1 @ 20	3.3 @ 10	635	RHDP	1.59	1.29	1.19
335101	Jameco ValuePro	UA5641R-11	0.56"	Hi-eff Red	CA	10	2.1 @ 20	3.3 @ 10	635	RHDP	1.15	1.05	.95
1584335	Avago	HDSP-5501-GH000	0.56"	Hi-eff Red	CA	10	2.1 @ 20	2.8 @ 10	635	RHDP	3.39	3.19	3.03
790031	Lite-On	LTD-6940HR	0.56"	Hi-eff Red	2-digit CA	18	2.0 @ 20	2.4 @ 10	623	RHDP	1.07	1.05	1.01
334880	Jameco ValuePro	UC5641-11	0.56"	Orange	CC	10	2.1 @ 20	3.3 @ 10	635	RHDP	1.05	.95	.66
335177	Jameco ValuePro	UA5624-11 EWRS	0.56"	Green	4-digit CA	36	2.1 @ 20	2.9 @ 10	567	RHDP	2.89	2.75	2.05
18737	Ligitek	LSDB16-11	0.80"	Orange Red	CA	13	1.6 @ 20	0.9 @ 20	655	RHDP	1.39	1.19	.99
308259	Ledtech	LA8071-11-MIEWRW	0.80"	Red	CA	13	1.7 @ 20	8.9 @ 10	660	LHDP/RHDP	1.49	1.25	.99
18753	Ligitek	LSDB151-10	0.80"	Red	CC	13	2.1 @ 20	1.0 @ 20	697	RHDP	1.45	1.31	.98
97199	Ligitek	LSDB23265-10	2.24"	Red	CA	10	1.7 @ 20	21 @ 20	660	RHDP	6.95	6.23	5.63
97201	Ligitek	LSDB23255-10	2.24"	Red	CC	10	1.7 @ 20	21 @ 20	660	RHDP	3.35	3.00	2.85
202518	Ligitek	LSDB30165-20	3.0"	Orange Red	CA	10	8 @ 20	4.5 @ 10	635	RHDP	11.09	9.98	8.98
202542	Ligitek	LSDB30155-20	3.0"	Orange Red	CC	10	8 @ 20	4.5 @ 10	635	RHDP	5.99	5.49	4.99
105591	Ligitek	LSDB40054-20	4.0"	Orange Red	CC	10	2.0 @ 20	18 @ 20	635	RHDP	9.49	8.29	7.49
202500	Ligitek	LSDB40064-20	4.0"	Orange Red	CA	10	2.0 @ 20	18 @ 10	635	RHDP	10.49	9.49	8.59
202526	Ligitek	LSDB50065-20	5.0"	Red	CA	10	17 @ 20	45 @ 10	660	RHDP	32.51	28.43	23.42
202534	Ligitek	LSDB50055-20	5.0"	Red	CC	10	17 @ 20	45 @ 10	660	RHDP	24.95	19.94	17.99

* CA-Common Anode/CC-Common Cathode

LHDP-Left Hand Decimal Point / RHDP-Right Hand Decimal Point

‡ 5 diodes per segment

🔵 Blue Part No. = Limited Quantity Available

LED Bar Graph Arrays

NEW
MARKED IN PINK

★ Web Code: LBW

Part No.	Manufacturer	Product No.	Character Height	Illuminated Color	Number of Elements	Pins/Leads	Typical Vf @ If (mA)	Typical mcd @ mA	Wavelength nm	Pricing		
										1	10	100
1954957	Lite-On	LTA-1000P	0.20"	Bright Red	10	20	2.1 @ 20	0.7 @ 10	697	\$1.05	\$1.05	\$.85
697477	Lite-On	LTA-1000HR	0.20"	Hi-eff. Red	10	20	2.0 @ 20	2.0 @ 10	635	1.05	.85	.69
697469	Lite-On	LTA-1000G	0.20"	Green	10	20	2.1 @ 20	2.0 @ 10	565	1.05	.85	.69
334529	Jameco ValuePro	UL10000-HR-RRAK	0.20"	Red	10	20	2.1 @ 20	1.6 @ 10	635	1.29	1.09	.95
334511	Jameco ValuePro	UL10000-E-EWAK	0.20"	Green	10	20	2.1 @ 20	1.4 @ 10	567	1.25	1.05	.89
1551402	Avago	HDSP-4832	0.20"	Hi-eff. Red, Yellow, Green	10	20	2.1/2.2 @ 20: 2.1 @ 10	3.5/1.9/1.9 @ 10	635/583/566	6.49	4.79	4.49

LED Dot Matrix Displays

NEW
MARKED IN PINK

★ Web Code: HAV

Part No.	Manufacturer	Product No.	Character Height	Illuminated Color	Array Polarity*	Pins/Leads	Typical Vf @ If (mA)	Typical mcd @ mA	Wavelength nm	Pricing		
										1	10	100
118906	Lite-On	LTP747R	0.7"	Hi-eff. Red	5 x 7 AC/CR	12	1.7 @ 20	0.5 @ 48	655	\$2.49	\$2.25	\$1.89
218843	Various	CSM57041T-11	0.7"	Red	5 x 7 CC/AR	12	1.8 @ 20	8 @ 20	660	2.49	2.25	1.89
206560	Lite-On	LTP-2157AG	2.0"	Green	5 x 7 CC/AR	14	2.1 @ 20	4 @ 48	565	3.95	3.35	2.89
183265	Ligitek	LMD5821ASR-20	2.3"	Red	5 x 8 CC/AR	14	1.7 @ 20	10.5 @ 10	660	4.95	4.19	3.59

* AC-Anode Column / AR-Anode Row / CC-Cathode Column / CR-Cathode Row

★ For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

🌿 RoHS compliant product

🔍 This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 159.



Reflective Sensor

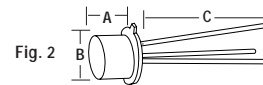
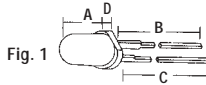
★ Web Code: VDJ

Part No.	Product No.	Description	Size	Dimensions			Lead Length	Vf @ If	nm	mWatts	Pricing			
				L"	W"	H"					1	10	100	1000
874939	QRD114	Reflective object sensor	6.1mm x 4.7mm	.240	.173	.183	.500"	1.7V @ 50mA	940	100	\$.93	\$.73	\$.62	\$.59

Infrared & Visible Light Emitters & Detectors

- Use for remote control and/or for fiber optics

NEW
MARKED IN PINK



★ Web Code: VAP

Part No.	Cross Ref. No.	Mfr.	Fig.	Description	Size	Diameter inch/mm	Dimensions (inches)				Vf @ If	nm	mWatts	Pricing		
							A	B	C	D				1	10	100
112150	LIR2043	LIG	1	Infrared emitter diode (GaAs)	T1	0.125/3	0.18	0.95	0.98	0.03	1.2V @ 20mA	940	5	\$.23	\$.196	\$.134
1950825	L-34F3CS	♦	1	Infrared emitter diode (GaAs)	T1	0.125/3	0.20	1.0	1.06	0.04	1.2V @ 20mA	940	80	.62	.53	.40
112176	LPT2023	LIG	1	Infrared phototransistor	T1	0.12/3	0.18	0.95	0.98	0.03	—	940	—	.39	.29	.19
1872265	OP505A	OPT	1	Infrared silicon phototransistor	T1	0.125/3.2	0.20	0.50	—	0.03	30VBRCEO @ 100µA	—	100	.66	.60	.56
1872151	OP290A	OPT	1	Infrared emitter diode	T1 ¾	0.195/5.0	0.30	0.75	1.00	0.04	4.0 @ 1.5A	—	333	.82	.76	.74
106526	LVR3333	LIG	1	Infrared emitter diode (GaAs)	T1 ¾	0.200/5	0.34	0.78	0.84	0.04	1.2V @ 20mA	940	8	.39	.29	.19
1950622	TSHA5502	VSH	1	Infrared emitter diode (GaAlAs)	T1 ¾	0.200/5	—	—	—	—	1.5 @ 1mA	870	210	.49	.39	.29
373000	UT1893-91-0125	JVP	1	Infrared phototransistor	T1 ¾	0.200/5	—	—	—	—	—	—	—	.26	.24	.20
112169	UT1893-82-0125-R	LED	1	Infrared phototransistor	T1 ¾	0.200/5	0.31	1.05	1.10	0.04	—	940	—	.36	.30	.24
1872441	OP999	OPT	1	PIN silicon photodiode	T1 ¾	0.205/5.3	0.31	—	0.75	0.04	1.2Vf @ 1mA	—	100	.87	.82	.77
120221	BPW77NA	♦	2	Visible light phototransistor	TO-18	—	0.24	0.19	0.52	—	—	850	—	1.99	1.89	1.55
1872249	OP298B	OPT	1	Infrared emitter diode	TO-46	0.183/4.7	0.20	—	0.75	0.03	2.0 @ 1.5A	—	142	1.05	1.00	.74

JAMECO BenchPro

2-150mA LED Tester

Pocket-size LED tester makes it easy to check functionality, color, brightness and uniformity. Plug any leaded LED into one of the 13 positions on the tester at current ratings ranging from 2-30mA. Another 13 positions strip ranging from 20mA to 150mA to test other types of LEDs.



Part No.	Description	Size (L x W x H)	1	10
355805	LED tester	3.1" x 2.2" x 0.9"	\$9.95	\$8.95

JAMECO ValuePro

LED Replacement Lamps

- Low current draw – 90% less energy than incandescent
- No heat generated
- Mounts directly into industry standard socket
- Long life – up to 100k hours

Cluster-Based LED T3 - Miniature Bayonet (BA9s) - Non-Polarized

- Replaces incandescent lamp numbers: 44, 47, 313, 755, 1815, 1819, 1847, 1850, 1866, 1889, 1891, 1892, 1893, and 1895

Part No.	Cross Ref. No.	Color	Nominal Voltage	Forward Current (mA) typ.	Intensity (mcd) typ.	Wavelength (nm)	Pricing		
							1	10	100
392585	585-5523	Yellow	14	20	7000	588	\$11.95	\$11.34	\$8.51
392593	585-5225	Red	28	15	6500	630	12.75	12.08	10.74
392622	585-5525	Yellow	28	15	6000	588	13.65	11.96	11.36
392632	585-5256	Red	120VAC	5.5	6500	625	9.49	8.49	7.49
392649	585-5356	Green	120VAC	5.5	7000	525	6.25	5.28	3.96

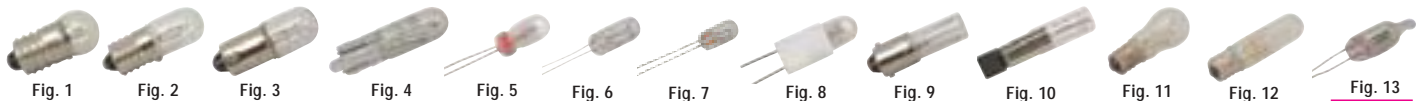
QUANTITY SAVE

JAMECO EXCLUSIVE



392585

392593



JAMECO ValuePro

Incandescent Lamps

★ Web Code: DBH

Part No.	Cross Ref.	Mfr.	Fig.	Description	Volts	MSCP	1	5	10
209390	14	JVP	1	G3 ½ miniature screw	2.47	.50	\$.45	\$.296	\$.195
209402	40	JVP	2	T3 ¼ miniature screw	6.3	.50	.29	.19	.15
209429	46	JVP	2	T3 ¼ miniature screw	6.3	.90	.35	.34	.255
209437	47	JVP	3	T3 ¼ miniature bayonet	6.3	.50	.25	.22	.18
209488	86	JVP	4	T1 ¾ wedge	6.3	.40	.45	.35	.263
209859	1818	JVP	3	T3 ¼ miniature bayonet	24.0	3.3	.49	.39	.293
209867	1819	JVP	3	T3 ¼ miniature bayonet	28.0	3.0	.25	.22	.165
141073	2182	JVP	6	T1 ¾ wire terminal	14.0	.34	.49	.39	.29
141066	2200	JVP	6	T1 ¾ wire terminal	5.0	.05	.49	.39	.29
141057	6833	JVP	7	T ¾ wire terminal	5.0	.05	.49	.39	.293
1943916	CM8-A241	♦	5	T1 wire terminal w/ blue cap	12.0	.15	.29	.19	.15

JAMECO ValuePro

Incandescent Lamps (Cont.)

NEW
MARKED IN PINK

Part No.	Cross Ref.	Mfr.	Fig.	Description	Volts	MSCP	1	5	10
210008	7328	JVP	8	T1 ¾ bi-pin	6.0	.60	\$.69	\$.59	\$.45
210032	7382	JVP	8	T1 ¾ bi-pin	14.0	.30	.59	.49	.368
210041	7387	JVP	8	T3 ¼ bi-pin	28.0	.30	.75	.59	.45
210092	120MB	JVP	9	T2 miniature bayonet	120.0	1200	.75	.59	.49
210104	120PSB	JVP	10	T3 ¼ bi-pin	28.0	.30	.75	.65	.55
309673	6S6	♦	11	S6 candelabra	120	—	.59	.45	.35
309681	20T6	♦	12	T6 1/2 20W intermediate	120	—	.75	.59	.49

JAMECO ValuePro

Neon Lamps

★ Web Code: VAD

Part No.	Cross Ref.	Mfr.	Fig.	Description	Voltage	1	5	10
27351	A1A (NE-2)	JVP	13	Wire terminal .6mA	65-120	\$.42	\$.35	\$.31
210315	C2A (NE-2H)	JVP	13	Wire terminal	65-120	.29	.19	.15

* LED = Ledtech | LIG = Ligitek | JVP = Jameco ValuePro | OPT = Optek | VSH = Vishay | ♦ = Manufacturer Varies

★ For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 159.

Lamps, Kits, Panel Mount Indicators & Photocells

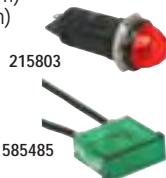
3 LEVELS OF SAVINGS
FRANCHISE SOURCED
GENERIC HOUSE BRANDS
FACTORY OVERRUN

Neon Panel Mount Lamps

- Input voltage: 120V
- Mounting hole dia.: 5/8" (16mm)
- Solder terminals: 0.196" (5mm)

*Web Code: JBJ

- 215803: Red
- 215812: Yellow
- 215830: Green
- 1585485: Green, rectangular
- 6" wire leads
- Size: .91"L x .38"W x .77"D



Part No.	Cross Ref. No.	1	10	100
215803	R9-71N-05-120V-R	\$2.09	\$1.86	\$1.58
215812	R9-71N-05-120V-Y	1.89	1.66	1.41
215830	R9-71N-05-120V-G	1.49	1.35	.99
1585485	32501001714	1.49	1.35	1.10

Neon Panel Mount Lamp

- 4.4"/4.8" wire leads
- Color: red
- 150VAC - 125VAC
- .310" Dia. mounting hole

NEW
MARKED IN PINK

Part No.	Product No.	1	10	100
1765849	2150A1	\$2.25	\$1.92	\$1.72

Miniature Fluorescent Lamp

Add fluorescent color to your projects, computer case, car and other displays with this economical light. Now you can easily and affordably mount this 4" light tube to add cool cold-cathode effects and give your display a richer look and feel. Optional power supply below converts 12VDC input into 180V - 800V output needed by light.



239610

*Web Code: ABP

Part No.	Product No.	Description	1	10	25
239610	FLW1	White light	\$11.29	\$10.70	\$10.15
239636	FLPS1	12VDC power supply	11.95	10.74	9.54

Flashing LED Sweetheart Kit

This kit shows a beating heart. Great for decorations!

- Power consumption: 8mA
- 46-piece kit
- Weight: 0.1 lbs.

Requires: 8 to 15VDC wall transformer (P/N 100095, pg 115) or 9VDC battery (P/N 151095, pg 121)



Part No.	Product No.	Size	1	10	25
147555	MK101	1.3"L x 2.3"W x 1.3"H	\$9.95	\$8.95	\$7.95

*Educational Kits available online — enter web code PBR

JAMECO ValuePro

- Generate variable signal based on detection of light levels
- Soldering: 230°C for 3 seconds

Applications: Auto-focus lenses, exposure meters, contrast controls for TVs, dimmer or light switches, flame detectors, electronic toys, street lamp switches, optocouplers

		Cross	Rating		Resistance (Ω)		Size (inches)		Lead Spacing	Lead Length	Pricing			
	Part No.	Ref. No.	Vp	mW	Dark	Light	A	B	(inches)	(inches)	1	10	100	1000
202438	202366	CDS0029001	150	90	300k	4k	0.14	0.17	0.10	1.02	\$1.69	\$1.52	\$1.22	\$.99
	120310	CDS0029004	150	90	2M	27k	0.14	0.17	0.10	1.44	1.45	1.20	1.09	.99
	202391	CDS0029203	150	90	10M	5k	0.14	0.17	0.10	1.02	1.49	1.35	1.19	1.09
	202382	CDS0029008	150	90	20M	10k	0.14	0.17	0.10	1.02	1.55	1.49	1.35	1.19
	202420	CDS0018003	150	100	500k	16k	0.17	0.20	0.13	1.02	.78	.70	.64	.58
120299	202403	CDS0018001	150	100	200k	3k	0.17	0.20	0.13	1.02	1.49	1.35	1.19	.89
	202411	CDS0018006	150	100	5M	80k	0.17	0.20	0.13	1.02	.73	.69	.65	.59
	202438	CDS0037004	200	150	500k	15k	0.25	0.29	0.20	1.02	1.49	1.34	1.07	.96
	120301	CDS0037001	200	150	300k	3k	0.25	0.29	0.20	1.02	1.79	1.59	1.45	1.09
	120299	CDS0045001	350	400	300k	8k	0.37	0.43	0.30	1.44	1.79	1.59	1.45	1.29
	202454	CDS0045003	350	400	1M	12k	0.37	0.43	0.30	1.44	1.75	1.69	1.52	1.35

*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

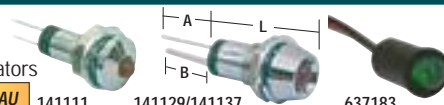
RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 159.

LED Panel-Mount Indicators

- Easy panel installation
- Panel/status/instrument indicators

141111/141129/141137: Chrome housing

*Web Code: UAU



Part No.	Cross Ref. No.	Mfg.	LED Size	Color	Dimensions (in.)			Mounting Hole	Vf @ If	Pricing		
					L	A	B			1	10	100
141111	L922SRD	Various	T1	Red	.56	.34	.25	.23"	2V @ 20mA	\$.83	\$.76	\$.68
141129	L913RD	Various	T1	Red	.56	.39	.32	.24"	2V @ 20mA	1.39	.98	.86
141137	L917RD	Various	T1 1/4	Red	.70	.55	.47	.31"	2V @ 20mA	1.19	.99	.89
637183	UT2U1G-H113-R801-W05	Ledtech	T1 3/4	Green	.55	5.5	5.5	.24"	12V @ 30mA	1.37	1.25	1.03

12V Incandescent Panel Mount Lamps

- 215715/215723/215732: solder terminals - 0.196" (5mm)

*Web Code: HBJ

Part No.	Cross Ref. No.	Fig.	Color	Mounting Hole	Wire Length	1	10	100
215774	R9-46B-W100-12V-R	1	Red	1/2" (13mm)	3.9" (100mm)	\$2.65	\$2.24	\$1.91
215782	R9-46B-W100-12V-Y	1	Yellow	1/2" (13mm)	3.9" (100mm)	1.69	1.47	1.20
215791	R9-46B-W100-12V-G	1	Green	1/2" (13mm)	3.9" (100mm)	2.19	1.87	1.40
215749	R9-55B-W130-12V-R	2	Red	9/32" (7mm)	4.9" (125mm)	2.15	1.91	1.62
215758	R9-55B-W130-12V-Y	2	Yellow	9/32" (7mm)	4.9" (125mm)	1.75	1.49	1.25
215766	R9-55B-W130-12V-G	2	Green	9/32" (7mm)	4.9" (125mm)	1.95	1.75	1.25
215715	R9-71B-05-12V-R	3	Red	5/8" (16mm)	Terminals	2.39	2.10	1.58
215723	R9-71B-05-12V-Y	3	Yellow	5/8" (16mm)	Terminals	1.65	1.45	1.09
215732	R9-71B-05-12V-G	3	Green	5/8" (16mm)	Terminals	1.85	1.65	1.24



Fig. 1

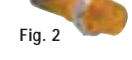


Fig. 2



Fig. 3

Ledtech

LED Light Strip Module

- LED Sections: 6
- Lead length: 14"
- Typical applications: running light or light source for under cabinets, closets, RV's, enclosures

*Web Code: BDZ

Part No.	Product No.	Color	Input Volt. Typ. (V@mA)	Total Flux Typ. (lm)	Wave Length (nm)	Viewing Angle (Deg.)	Pricing		
							1	10	25
1586171	UY19209-627	White	12 @ 180	—	—	120	\$24.95	\$22.49	\$19.95

vellleman

Voice Activated LED Kit

Uses sound to activate the flashing of 4 bright red LEDs.

- Power consumption: 0.5mA min./12mA max.
- 33-pieces

Requires: 8-15VDC power supply (P/N 100095, pg 115) or 9VDC battery (P/N 151095, pg 121)

Part No.	Product No.	Dimensions	1	10
147571	MK103	2.5"L x 1.6"W x 1.4"H	\$10.65	\$9.59

vellleman

Flashing LED Kit

Activates 2 flashing LEDs for applications such as model building.

- 5.5" wire w/ 9V battery connector
- Consumption: 4mA min.
- 23-pieces

Requires: 9VDC battery (P/N 151095, pg 121)

Part No.	Product No.	Dimensions	Wt. (lbs.)	1	10
147580	MK102	1.3"L x 1.4"W x 0.6"H	0.1	\$7.95	\$7.19



JAMECO ValuePro

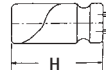
Aluminum Radial-Lead Non-Polarized Electrolytic Capacitors (±20%)

*Web Code: CBW



JAMECO EXCLUSIVE

Leakage Current (20°C)	After 1 min.	0.03CV or 4μA, whichever is greater
	After 2 min.	0.01CV or 3μA, whichever is greater



L.S. ±0.5

85°C – General Purpose

† CROSS REFERENCES: Elna: RC2/RE2; IC: RAR/RSS; Marcon: SEM/SSM; Nichicon: LB/VX/USA/SR/SA; Rubycon: MS7/TWSS; Sprague: 501D/513D; UCC: SME/SRE/SRA/SRG; Panasonic: KA/KS/SU

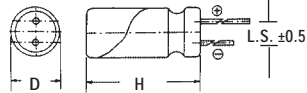
Part No.	Cross Ref. No.†	Value (μF)	Voltage	Size (mm) D x H x L.S.	Pricing			
					1	10	100	500
330941	RN1/50	1	50V	5 x 11 x 2.0	\$.21	\$.159	\$.085	\$.075

Part No.	Cross Ref. No.†	Value (μF)	Voltage	Size (mm) D x H x L.S.	Pricing			
					1	10	100	500
330915	RN10/25	10	25V	5 x 11.5 x 1.5	\$.34	\$.291	\$.232	\$.175

JAMECO ValuePro

Aluminum Radial-Lead Polarized Electrolytic Capacitors (±20%) 85°C

*Web Code: CCE



NEW MARKED IN PINK

Leakage Current (20°C)	After 1 min.	0.03CV or 4μA, whichever is greater
	After 2 min.	0.01CV or 3μA, whichever is greater

85°C – General Purpose

* Order in multiples of 10

* Order in multiples of 10

Part No.	Cross Ref. No.†	Mfr.	Value (μF)	Volt	Size (mm)* D x H x L.S.	Pricing			
						1	10	100	500
609043	UVR2A0R1MDD	JVP	0.1	100	5 x 11 x 2	* .096	* .069	* .045	
330465	RA0.47/50	JVP	0.47	50	5 x 11 x 2	* .047	* .041	* .025	
330431	RA1/25	JVP	1	25	5 x 11 x 2	* .047	* .041	* .026	
94161	5R1/50	JVP	1	50	4 x 5 x 1.5	* .12	* .10	* .075	
29833	R1/50	JVP	1	50	5 x 11 x 2	* .063	* .053	* .042	
29831	R1/50	+	1	50	5 x 11 x 2	* .063	* .053	* .042	
1946324	R2.2/6.3TR	+	2.2	6.3	4 x 8 x 4.5	* .06	* .045	* .03	
93731	R2.2/50	JVP	2.2	50	5 x 11 x 2	* .047	* .041	* .028	
31002	R4.7/50	JVP	4.7	50	5 x 11 x 2	* .038	* .036	* .034	
31000	R4.7/50	+	4.7	50	5 x 11 x 2	* .035	* .028	* .021	
1946332	R10/6.3TR	+	10	6.3	3 x 6 x 4	* .06	* .045	* .03	
1946341	R10/6.3ATR	+	10	6.3	4 x 7 x 5	* .06	* .04	* .03	
198838	R10J/16	JVP	10	16	5 x 11 x 2	* .054	* .036	* .03	
94212	5R10/25	JVP	10	25	4 x 5 x 1.5	* .13	* .08	* .06	
1946359	R10/25TR	+	10	25	4 x 7 x 5	* .06	* .04	* .03	
1946367	R10/25ATR	+	10	25	5 x 11 x 5	* .06	* .04	* .03	
94220	5R10/35	JVP	10	35	5 x 5 x 2	* .083	* .057	* .056	
94370	7R10/35	JVP	10	35	4 x 7 x 1.5	* .11	* .094	* .071	
29893	R10/50	JVP	10	50	5 x 11 x 2	* .067	* .055	* .045	
29891	R10/50	+	10	50	5 x 11 x 2	* .06	* .05	* .04	
330482	RA10/63	JVP	10	63	5 x 11 x 2	* .068	* .049	* .036	
330609	RA10/250	JVP	10	250	10 x 16 x 5	.35	.313	.25	.188
1946287	R22/10TR	+	22	10	5 x 11 x 5	* .04	* .03	* .02	
1946295	R22/16TR	+	22	16	5 x 12 x 5	* .04	* .03	* .025	
1946308	R22/25TR	+	22	25	5 x 11 x 5	* .055	* .03	* .025	
93739	R22/50	JVP	22	50	5 x 11 x 2	* .047	* .041	* .031	
1946316	R22/50TR	+	22	50	5 x 12 x 5	* .055	* .03	* .025	
93747	R33/50	JVP	33	50	6.3 x 11 x 2.5	* .066	* .06	* .054	
198863	R47J/16	JVP	47	16	6.3 x 11 x 2.5	* .083	* .071	* .053	
1946244	R47/16TR	+	47	16	5 x 12 x 5	* .05	* .04	* .03	
198952	R47J/35	JVP	47	35	5 x 11 x 2	* .126	* .088	* .044	
1946252	R47/35TR	+	47	35	6 x 12 x 5	* .055	* .045	* .035	
31116	R47/50	JVP	47	50	6.3 x 11 x 2.5	* .067	* .056	* .05	
31114	R47/50	+	47	50	6 x 11 x 2.5	* .06	* .048	* .036	
330562	RA47/160S	JVP	47	160	10 x 20 x 5	.45	.32	.272	.204
330617	RA47/250	JVP	47	250	13 x 25 x 5	.57	.508	.447	.388
330676	RA47/450	JVP	47	450	18 x 30 x 7.5	1.59	1.23	.92	.544
1946261	R68/16TR	+	68	16	5 x 11 x 5	* .06	* .045	* .03	
207813	R100/10	JVP	100	10	5 x 11 x 2	* .08	* .06	* .045	
330422	RA100/16	JVP	100	16	5 x 11 x 2	* .068	* .066	* .058	
94289	5R100/16	JVP	100	16	6.5 x 5 x 2.5	* .15	* .12	* .09	
94431	7R100/16	JVP	100	16	6 x 7 x 2.5	.20	.15	.14	.11
93761	R100/25	+	100	25	6 x 11 x 2.5	* .084	* .06	* .042	
198970	R100J/35	JVP	100	35	6.3 x 11 x 2.5	* .08	* .07	* .06	
29964	R100/50	JVP	100	50	8 x 11.5 x 3.5	* .078	* .067	* .056	
29962	R100/50	+	100	50	8 x 11 x 3.5	* .084	* .072	* .06	
330529	RA100/100	JVP	100	100	10 x 17 x 5	.39	.356	.285	.214
330580	RA100/160S	JVP	100	160	16 x 25 x 7.5	.85	.75	.58	.41
330625	RA100/250	JVP	100	250	16 x 31.5 x 7.5	1.49	1.34	1.08	.81

Part No.	Cross Ref. No.†	Mfr.	Value (μF)	Volt	Size (mm)* D x H x L.S.	Pricing			
						1	10	100	500
330684	RA100/450	JVP	100	450	22 x 42.5 x 10.5	\$3.25	\$2.42	\$1.92	\$1.37
135124	7R220/10	JVP	220	10	6 x 7 x 2.5	.21	.163	.118	.066
198872	R220J/16	JVP	220	16	6.3 x 11 x 2.5	.20	.13	.11	.09
30498	R220/25	JVP	220	25	8.5 x 11 x 3.5	.20	.18	.144	.108
30496	R220/25	+	220	25	8 x 11 x 3.5	* .096	* .072	* .06	
93772	R220/35	JVP	220	35	8 x 12 x 3.5	* .09	* .08	* .07	
93780	R220/50	JVP	220	50	10 x 16 x 5	.26	.221	.16	.11
93778	R220/50	+	220	50	10 x 12 x 5	.26	.24	.158	.113
609115	UVR2C221MHD	JVP	220	160	16 x 30 x 7.5	1.32	1.02	.77	.55
198978	R330J/35	JVP	330	35	10 x 12.5 x 5	* .221	* .16	* .11	
330473	RA330/50	JVP	330	50	10 x 16 x 5	.29	.25	.19	.15
1946279	R470/10TR	+	470	10	6 x 11 x 5	* .08	* .08	* .05	
93811	R470/16	JVP	470	16	8 x 11.5 x 3.5	.27	.132	.124	.118
93809	R470/16	+	470	16	8 x 11 x 3.5	* .099	* .095	* .071	
31182	R470/25	JVP	470	25	8 x 14 x 3.5	.38	.225	.161	.09
93819	R470/35	JVP	470	35	10 x 16 x 5	.20	.17	.15	.13
31181	R470/25	+	470	25	10 x 12 x 5	.29	.178	.128	.096
93817	R470/35	+	470	35	10 x 16 x 5	.21	.16	.14	.12
93827	R470/50	JVP	470	50	10 x 20 x 5	.39	.372	.252	.173
158465	R470B63	JVP	470	63	13 x 20 x 5	.55	.52	.49	.42
93825	R470/50	+	470	50	12 x 20 x 5	.31	.287	.277	.257
609019	UVR1J471MHD	JVP	470	63	13 x 21 x 5	.62	.56	.448	.336
199102	R470J/100	JVP	470	100	16 x 25 x 7.5	1.15	.78	.69	.58
330456	RA680/25S	JVP	680	25	8 x 16 x 3.5	1.15	1.04	.84	.63
1945436	R1000/6.3	+	1000	6.3	10 x 13 x 5	.15	.12	.10	.08
30017	R1000/16	JVP	1000	16	10 x 16 x 5	.28	.244	.179	.129
30015	R1000/16	+	1000	16	10 x 16 x 5	.24	.216	.172	.129
93835	R1000/25	JVP	1000	25	10 x 20 x 5	.28	.25	.23	.18
93833	R1000/25	+	1000	25	10 x 20 x 5	.41	.32	.29	.16
93843	R1000/50	JVP	1000	50	13 x 25 x 5	.74	.544	.40	.314
93841	R1000/50	+	1000	50	6.5 x 11.3 x 2.2	.59	.49	.39	.29
199111	R1000J/100	JVP	1000	100	18 x 41 x 7.5	2.29	2.06	1.65	1.24
30535	R2200/25	JVP	2200	25	13 x 21 x 5	.89	.66	.481	.276
30533	R2200/25	+	2200	25	12 x 25 x 5.0	.66	.50	.40	.30
198986	R2200J/35	JVP	2200	35	16 x 25 x 7.5	1.39	1.25	.99	.74
608956	UVR1H222MHD	JVP	2200	50	16 x 30 x 7.5	1.59	1.20	.90	.64
608981	UVR1J222MHD	JVP	2200	63	18 x 35.5 x 7.5	1.55	1.18	.91	.68
198898	R3300J/16	JVP	3300	16	13 x 21 x 5	.49	.39	.33	.29
30893	R3300/25	JVP	3300	25	13 x 29 x 5	.95	.87	.66	.58
30891	R3300/25	+	3300	25	16 x 25 x 7.5	.86	.63	.468	.435
198994	R3300J/35	JVP	3300	35	16 x 30 x 7.5	1.27	.98	.74	.525
198901	R4700J/16	JVP	4700	16	16 x 25 x 7.5	1.10	.86	.64	.456
93851	R4700/25	JVP	4700	25	16 x 31.5 x 7.5	1.32	1.19	.96	.72
93850	R4700/25	+	4700	25	16 x 31 x 7.5	1.19	1.07	.96	.72
199006	R4700J/35	JVP	4700	35	18 x 35 x 7.5	1.35	1.25	1.15	1.05
163302	R4700/50	JVP	4700	50	22 x 41 x 10	2.25	2.03	1.62	1.22
163301	R4700/50	+	4700	50	22 x 42 x 10.0	2.09	1.87	1.49	1.12
198934	R6800J/25	JVP	6800	25	18 x 35.5 x 7.5	2.15	1.25	.94	.70
608948	UVR1C103MHD	JVP	10000	16	18 x 35 x 7.5	1.95	1.45	1.09	.77

Note: Above case sizes may have ± tolerances TR behind Cros Ref. number are Tape and Reel *Capacitor dimensions and styles may vary Blue Part No. = Limited Quantity Available

* JVP = Jameco ValuePro | ♦ Manufacturer Varies

***For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above**

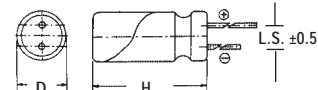
RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. [Details on page 159.](#)

JAMECO ValuePro

Aluminum Radial-Lead Electrolytic Capacitors (±20%) 105°C



Leakage Current (20°C)	After 1 min.	0.03CV or 4μA, whichever is greater
	After 2 min.	0.01CV or 3μA, whichever is greater



† CROSS REFERENCES: Nichicon: LB/VX/USA/SR/SA/UPW/UVZ/UHE; Elna: RC2/RE2; IC: RAR/RSS; Marcon: SEM/SSM; Rubycon: MS7/TWSS; Sprague: 501D/513D; UCC: SME/SRE/SRA/SG; Panasonic: KA/KS/SU

NEW
MARKED IN PINK

105°C – HT Type General Purpose

* Web Code: HAA

* Order in multiples of 10

* Order in multiples of 10

Part No.	Cross Ref. No. †	Mfr.	Value (μF)	Volt	Size (mm)* D x H x L.S.	Pricing			
						1	10	100	500
609545	UVZ1H0R1MDD	JVP	0.1	50	5 x 11 x 2	\$.22	\$.12	\$.096	\$.072
330772	RB1/50	JVP	1	50	5 x 11 x 2	*	.061	.048	.036
158491	R1B100	JVP	1	100	5 x 11 x 2	*	.131	.094	.046
609959	UVZ2E010MED	JVP	1	250	8 x 11 x 3.5	.29	.199	.137	.088
609561	UVZ1H2R2MDD	JVP	2.2	50	5 x 11.5 x 2	.21	.19	.16	.12
607961	UPW1H3R3MDD	JVP	3.3	50	5 x 11 x 2	*	.146	.105	.068
330692	RB10/16	JVP	10	16	5 x 11 x 2	*	.059	.051	.044
607849	UPW1H100MDD	JVP	10	50	5 x 11 x 2	.24	.161	.116	.075
330799	RB10/50	JVP	10	50	5 x 11 x 2	*	.061	.049	.037
609641	UVZ1J100MDD	JVP	10	63	5 x 11 x 2	.23	.155	.116	.075
610036	UVZ2W100MHD	JVP	10	450	13 x 21 x 5	.81	.60	.438	.317
158327	R22B35	JVP	22	35	5 x 11 x 2	*	.08	.07	.05
609828	UVZ2C20MPD	JVP	22	160	10 x 15 x 5	.44	.29	.19	.13
609975	UVZ2E220MHD	JVP	22	250	13 x 20 x 5	.55	.495	.396	.297
607929	UPW1H270MHD	JVP	27	50	5 x 11 x 2	.26	.178	.125	.094
609502	UVZ1C470MDD	JVP	47	16	5 x 11 x 2	*	.129	.109	.089
1945428	R47/35	✦	47	35	6.3 x 11 x 2	*	.15	.12	.09
607970	UPW1H470MED	JVP	47	50	6.3 x 11 x 2.5	.29	.204	.148	.102
330820	RB47/50	JVP	47	50	6.3 x 11 x 2.5	*	.106	.078	.069
608139	UPW1J470MPD	JVP	47	63	8 x 11.5 x 3.5	.31	.28	.24	.18
609879	UVZ2C470MHD	JVP	47	160	13 x 21 x 5	.63	.41	.328	.246
610010	UVZ2E470MHD	JVP	47	250	13 x 25 x 5	.85	.77	.62	.465
606862	UHE1H560MED	JVP	56	50	6.3 x 11 x 2.5	.20	.159	.117	.08
1946228	RB100/10	✦	100	10	5 x 11 x 3.5	*	.15	.11	.08
606686	UHE1E101MED	JVP	100	25	6.3 x 11 x 2.5	.20	.171	.145	.109
330740	RB100/25	JVP	100	25	6.3 x 11 x 2.5	*	.083	.071	.06
158394	R100B50	JVP	100	50	8 x 11.5 x 3.5	*	.13	.11	.085
608032	UPW1J101MPD6	JVP	100	63	8 x 14 x 3.5	.40	.281	.201	.145
330827	RB100/63	JVP	100	63	10 x 13 x 5	.39	.29	.22	.16
609748	UVZ2A101MPD	JVP	100	100	10 x 20 x 5	.53	.368	.262	.189
609916	UVZ2D101MHD	JVP	100	200	16 x 25 x 7.5	1.55	1.04	.84	.63
609967	UVZ2E101MHD	JVP	100	250	16 x 31 x 7.5	1.55	1.19	.89	.63
1946236	RB180/10	✦	180	10	6.5 x 11 x 2.5	*	.15	.12	.09
606555	UHE1A221MED	JVP	220	10	6.3 x 11 x 2.5	.20	.165	.127	.092
158263	R220B25	JVP	220	25	8 x 11 x 3.5	*	.144	.116	.087
606820	UHE1H221MPD	JVP	220	50	10 x 16 x 5	.31	.279	.22	.165
158406	R220B50	JVP	220	50	10 x 17 x 5	.41	.29	.20	.15
609668	UVZ1J221MPD	JVP	220	63	10 x 16 x 5	.58	.409	.292	.21
609764	UVZ2A221MHD	JVP	220	100	13 x 26 x 5	1.04	.70	.56	.42
609721	UVZ1V331MPD	JVP	330	35	10 x 16 x 5	.35	.315	.252	.189
609385	UVZ0J471MED	JVP	470	6.3	6 x 11 x 2.5	.31	.279	.224	.168

Note: Above case sizes may have ± tolerances

* Capacitor dimensions and styles may vary

Part No.	Cross Ref. No. †	Mfr.	Value (μF)	Volt	Size (mm)* D x H x L.S.	Pricing			
						1	10	100	500
158203	R470B16	JVP	470	16	8 x 11 x 3.5	\$.32	\$.19	\$.13	\$.095
606678	UHE1C471MPD	JVP	470	16	8 x 14 x 3.5	.28	.235	.171	.118
158289	R470B25	JVP	470	25	10 x 16 x 5	*	.148	.134	.112
606740	UHE1E471MPD6	JVP	470	25	10 x 16 x 5	.43	.305	.218	.164
607988	UPW1H471MHD	JVP	470	50	13 x 20 x 5	.82	.74	.59	.443
606854	UHE1H471MPD	JVP	470	50	13 x 20 x 5	.64	.59	.495	.371
608147	UPW1J47MHD6	JVP	470	63	12.5 x 31.5 x 5	.99	.76	.59	.443
608016	UPW1H561MHD	JVP	560	50	13 x 25 x 5	1.04	.94	.76	.57
606871	UHE1H681MHD	JVP	680	50	13 x 28 x 5	.71	.52	.382	.277
607179	UHE2A681MHD	JVP	680	100	18 x 33 x 7.5	1.20	.94	.70	.538
606432	UHE0J102MPD	JVP	1000	6.3	8 x 14 x 3.5	.20	.178	.158	.14
609465	UVZ1C102MPD	JVP	1000	16	10 x 20 x 5	.63	.35	.28	.21
330722	RB1000/16	JVP	1000	16	10 x 20 x 5	.29	.27	.237	.213
158298	R1000B25	JVP	1000	25	10 x 17 x 5	.35	.29	.25	.19
158378	R1000B35	JVP	1000	35	13 x 21 x 5	.49	.44	.35	.26
609553	UVZ1H102MHD	JVP	1000	50	13 x 25 x 5	.84	.62	.45	.39
607865	UPW1H102MHD	JVP	1000	50	16 x 25 x 7.5	1.20	.91	.70	.59
606627	UHE1C122MPD	JVP	1200	16	10 x 24 x 5	.43	.31	.22	.16
607232	UPW0J152MPD	JVP	1500	6.3	10 x 20 x 5	.49	.34	.25	.18
607398	UPW1A152MPD6	JVP	1500	10	10 x 20 x 5	.57	.402	.287	.206
607873	UPW1H152MHD	JVP	1500	50	16 x 30 x 7.5	1.46	1.14	.85	.61
606467	UHE0J182MHD	JVP	1800	6.3	10 x 20 x 5	.39	.28	.20	.15
607751	UPW1E182MHD	JVP	1800	25	13 x 25 x 5	1.25	1.13	.90	.68
609342	UVZ0J222MPD	JVP	2200	6.3	10 x 20 x 5	.53	.374	.267	.192
607427	UPW1A222MHD	JVP	2200	10	13 x 20 x 5	.71	.517	.38	.275
606563	UHE1A222MPD	JVP	2200	10	10 x 24 x 5	.61	.56	.48	.36
609705	UVZ1V222MHD	JVP	2200	35	16 x 26 x 7.5	1.38	1.05	.81	.57
608235	UPW1V222MHD6	JVP	2200	35	18 x 26 x 7.5	1.42	1.10	.85	.64
607064	UHE1V222MHD	JVP	2200	35	16 x 26 x 7.5	1.12	.91	.62	.465
606838	UHE1H222MHD6	JVP	2200	50	18 x 30 x 7.5	1.55	1.20	1.05	.79
158432	R2200B50	JVP	2200	50	16 x 31 x 7.5	1.19	1.04	.78	.64
607443	UPW1A332MHD6	JVP	3300	10	13 x 20 x 7.5	.63	.461	.339	.245
606715	UHE1E332MHD	JVP	3300	25	16 x 31.5 x 7.5	1.27	1.01	.78	.58
608278	UPW1V332MHD	JVP	3300	35	18 x 33 x 7.5	1.79	1.40	1.08	.81
609588	UVZ1H332MHD	JVP	3300	50	18 x 36 x 7.5	1.95	1.45	1.15	.82
609393	UVZ0J472MHD	JVP	4700	6.3	12.5 x 20 x 5	.83	.66	.502	.357
609511	UVZ1C472MHD	JVP	4700	16	16 x 25 x 7.5	1.49	1.06	.84	.63
607814	UPW1E472MHD	JVP	4700	25	18 x 35 x 7.5	1.55	1.40	1.12	.84
607697	UPW1C822MHD	JVP	8200	16	16 x 33 x 7.5	1.89	1.49	1.15	.86
609473	UVZ1C103MHD	JVP	10000	16	18 x 41 x 7.5	1.95	1.76	1.40	1.05

* Capacitor dimensions and styles may vary

Blue Part No. = Limited Quantity Available

JAMECO ValuePro

Snap-Mount Large-Can Aluminum Electrolytic Capacitors (±20%)

- Designed as an input filter for switched mode power supply; standard 10mm (0.40") snap-in spacing
- Operating temperature range: (SNA) -40°C to +85°C; (SNB) -40°C to +105°C
- Can-Top safety vent

* Web Code: EBG

Snap-Ins!



† CROSS REFERENCES: Aero M: LP/LPR; Elna: LP3/LP4; Illinois Capacitor: LBA/LPR; Mallory: LPX; Marcon: CEAWF; Nichicon: LLK/LLQ; Panasonic: TS-UP/TS-U; Phillips (MEPCO): 3487/3489; Rubycon: RSP; Sprague: 80D/82D; United Chemicon: SMG(VN)/SMH(VN)

Part No.	Cross Ref. No. †	Mfr.	Value (μF)	Volt	Size (mm)* D x H x L.S.	Pricing		
						1	10	100
203254	SN470/400/40	✦	470	400	35 x 41	\$6.75	\$5.75	\$4.75
203263	SN470/400/5	JVP	470	450	35 x 49 x 9	10.29	8.09	7.19
331901	SNB6800/50	JVP	6800	50	25.2 x 42.4 x 9	3.25	2.99	2.79
331759	SNAB200/80	JVP	8200	80	35 x 51 x 9	7.75	6.75	5.79
157738	SN10000/50	JVP	10000	50	35 x 40 x 12	5.35	4.02	3.04
331716	SN15000/25	JVP	15000	25	25 x 41 x 9	3.49	2.62	1.98

* Capacitor dimensions and styles may vary

Blue Part No. = Limited Quantity Available

* JVP = Jameco ValuePro ✦ Manufacturer Varies

* For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product

This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 159.

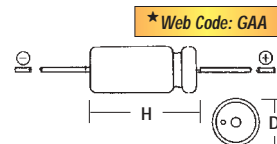
JAMECO ValuePro

NEW
 MARKED IN PINK

Aluminum Axial-Lead Electrolytic Capacitors (±20%)

General purpose 85°C maximum

Operating temperature range	-40°C to +85°C
Leakage Current (After 2 minutes 20°C)	0.02CV or 2μA, whichever is greater



† CROSS REFERENCES: Elna: RE2; IC: RAR; Marcon: SEM; Nichicon: LB/VX; Rubycon: TWSS; Sprague: 501D/513D; UCC: SME; Panasonic: SU

* Order in multiples of 10

Part No.	*Mfr.	Cross Ref. No.†	Value (μF)	Voltage	Size (mm)* D x H	Pricing			
						1	10	100	500
10868	JVP	A1/50	1	50V	5 x 12	* .124	.10	.08	.08
10866	+	A1/50	1	50V	5 x 13	.20	.18	.144	.108
11076	+	A4.7/50	4.7	50V	6 x 13	.20	.162	.13	.095
1946199	+	A10/16	10	16V	4 x 7	* .09	.07	.05	.05
1946201	+	A10/16A	10	16V	5 x 13	* .09	.07	.05	.05
93577	+	A10/35	10	35V	6 x 13	* .125	.105	.095	.095
10883	JVP	A10/50	10	50V	6 x 12	.24	.206	.147	.093
10882	+	A10/50	10	50V	6 x 12	.19	.162	.118	.094
331425	JVP	AB10/450	10	450V	13 x 25	1.25	1.07	.97	.71
1946210	+	A22/16	10	16V	5 x 11	.19	.15	.12	.10
199268	JVP	A22J/25	22	25V	6 x 12.5	.24	.208	.148	.111
331433	JVP	AB22/450	22	450V	16 x 26.5	2.09	1.72	1.56	1.18
135319	+	A47/25	47	25V	8 x 16	.20	.18	.145	.11
11105	+	A47/50	47	50V	8 x 16	.21	.15	.138	.099
199188	JVP	A100J/16	100	16V	6 x 12.5	.39	.351	.281	.211
199284	JVP	A100J/25	100	25V	8 x 15	.29	.255	.216	.139
93551	+	A100/35	100	35V	8 x 16	.24	.192	.173	.144
10913	JVP	A100/50	100	50V	8 x 13	.26	.245	.221	.199
10911	+	A100/50	100	50V	8 x 20	.24	.225	.203	.183
331380	JVP	AB100/100	100	100V	10 x 20.5	.88	.76	.59	.56
331409	JVP	AB100/160	100	160V	16 x 26.5	2.49	2.26	1.80	1.36
331417	JVP	AB100/250	100	250V	16 x 31	3.05	2.62	2.42	2.25
331299	JVP	AB150/50	150	50V	10 x 17	1.15	1.05	.85	.65
199292	JVP	A220J/25	220	25V	8 x 16	.33	.29	.22	.19

Note: Above case sizes may have ± tolerances * Capacitor dimensions and styles may vary

Metallized Polyester Film Mylar Capacitors (±10%)

- Non-inductive construction
- Operating temp. range: -40°C to +85°C
- Dissipation factor: 0.01 (at 1kHz)
- Dielectric strength: 150% of rated volt. for 5 sec.

† Cross References: Panasonic: ECQ-E Series;

Sprague: DF/450P/451P/453P; Westlake: 160/168/185/167/184/186; Rubycon: MC/MN; Mepco: 713A1/719A1/C280; TRW: X601PE/ X601CPE; Packtron: MF/RB; Secor: MMKS/MMKR/MMDR; RIFA: PHE353/ PHE354; Roederstein: MKT 1818/MKT 1822; WIMA: MKS; CSF Thompson: MD/ MC; Siemens: B325X-XX; NIC: NEM/NRM; Nichicon: DDXM; Phillips: 712 A1 series

* Order in multiples of 10

Part No.	Cross Ref. No.†	Value (μF)	Volt. (V)	Size (mm)* L x T x H	Pricing			
					1	10	100	1000
1946164	MY.0068	.0068	100	5.5 x 2.5 x 10.0	* .11	.08	.05	.05
26833	MY.001	.001	100	7.0 x 3.0 x 7.0	* .101	.068	.051	.051
26884	MY.01	.01	100	6.0 x 3.0 x 7.0	* .13	.096	.091	.091
26905	MY.022	.022	100	6.0 x 3.0 x 10.0	.21	.18	.12	.072
26921	MY.033	.033	100	8.0 x 4.0 x 11.0	* .101	.083	.062	.062
26930	MY.047	.047	100	8.0 x 4.0 x 12.0	.30	.222	.167	.125
1946172	MY.068	.068	100	8.6 x 4.0 x 11.0	.25	.15	.11	.08
135562	MY.1/50	.1	50	14.0 x 6.0 x 12.0	.21	.16	.14	.12
26956	MY.1	.1	100	12.5 x 5.0 x 9.5	.33	.28	.222	.143
93921	MY.1/250	.1	250	12.5 x 5.0 x 10	.29	.20	.168	.146
26972	MY.22	.22	100	12.5 x 5.5 x 10	.25	.23	.21	.132
1946181	MY.22	.22	100	12.5 x 5.0 x 8.5	.29	.25	.15	.12
93964	MY.33/250	.33	250	18.0 x 7.0 x 12.5	.26	.227	.182	.137
26999	MY.47	.47	100	18.0 x 6.0 x 11.5	.33	.29	.27	.203
27001	MY1	1.0	100	18.0 x 7.5 x 14.0	.69	.59	.40	.278
93981	MY1/250	1.0	250	26.0 x 9.0 x 16.0	.53	.38	.33	.25
93999	MY2.2/250	2.2	250	26.0 x 9.0 x 16.0	1.26	1.10	.93	.55

±20% tolerance * Capacitor dimensions and styles may vary

Part No.	*Mfr.	Cross Ref. No.†	Value (μF)	Voltage	Size (mm)* D x H	Pricing			
						1	10	100	500
11019	JVP	A220/50	220	50V	10 x 17	\$.35	\$.29	\$.25	\$.21
199217	JVP	A470J/16	470	16V	8 x 17	.36	.284	.255	.173
199313	JVP	A470J/25	470	25V	10 x 17	.49	.45	.39	.35
199381	JVP	A470J/35	470	35V	10 x 21	.50	.45	.36	.27
11123	JVP	A470/50	470	50V	13 x 22	.59	.531	.425	.319
93633	JVP	A1000/16	1000	16V	10 x 21	.72	.62	.51	.383
10956	JVP	A1000/25	1000	25V	10 x 20	.66	.54	.49	.38
10954	+	A1000/25	1000	25V	13 x 31	.60	.538	.43	.323
93651	JVP	A1000/35	1000	35V	13 x 22	.94	.83	.66	.49
93649	+	A1000/35	1000	35V	13 x 26	.48	.437	.431	.32
147256	+	A1000/50	1000	50V	16 x 31	.72	.62	.491	.37
11033	+	A2200/16	2200	16V	16 x 40	.87	.78	.62	.465
199322	JVP	A2200J/25	2200	25V	16 x 26	1.39	1.23	1.15	.87
93658	JVP	A2200/35	2200	35V	16 x 30	1.25	1.13	.90	.68
199478	JVP	A2200J/50	2200	50V	18 x 33	2.15	1.93	1.54	1.15
93666	JVP	A3300/25	3300	25V	16 x 30	1.19	1.15	.99	.75
199398	JVP	A3300J/35	3300	35V	18 x 37	2.69	2.51	2.40	1.62
199487	JVP	A3300J/50	3300	50V	22 x 43	2.75	2.49	2.24	1.79
199232	JVP	A4700J/16	4700	16V	16 x 26.5	1.59	1.45	1.30	.95
93675	JVP	A4700/25	4700	25V	16 x 30	1.85	1.69	1.52	1.22
93673	+	A4700/25	4700	25V	22 x 39	1.35	1.19	1.09	.89
199402	JVP	A4700J/35	4700	35V	18 x 40	2.79	2.51	2.01	1.51
158811	JVP	A4700A50	4700	50V	22 x 43	3.09	2.89	2.69	2.39
93683	JVP	A10000/16	10000	16V	16 x 40	2.65	2.45	2.16	1.62
93681	+	A10000/16	10000	16V	22 x 51	2.49	2.26	2.04	1.53

Blue Part No. = Limited Quantity Available

Panasonic® Metallized Film Capacitors (±5%)

V Series – Stacked

- Stacked & non-inductive construction
- Operating temp. range: -40°C to 85°C
- Low dissipation factor: 1% max.
- High volumetric efficiency

* Web Code: TAB

Order in multiples of 10

Part No.	Product No.	Value (μF)	Voltage	Dimensions (mm) W x H x Th. x L.S.	Pricing		
					10	100	500
920510	ECQ-V1H104JL	.1	50	7.3 x 4 x 5 x 5	\$.096	\$.088	\$.084
920561	ECQ-V1H224JL	.22	50	7.3 x 4.8 x 5.5 x 5	.12	.11	.104
920595	ECQ-V1H474JL	.47	50	7.3 x 6 x 7.3 x 5	.177	.148	.117

Memory Back-Up Capacitors

* Web Code: SAB

Applications:

- Back-up on CMOS microcomputers, static RAM, DTSs (digital tuning systems)
- Memory back-up of remote controllers

Features: • Small size vs. capacitance • Voltage: 5.5VDC

- Excellent volt. holding characteristics for low back-up currents

Part No.	Cross Ref. No.	Mfr.	Value (μF)	Size (mm) L x T x Dia.	1	10	100
143010	MBC.47/5.5	JVP	.47	13.3 x 9.2 x 21.1	\$3.29	\$2.86	\$2.15
142957	MBC1.0/5.5	+	1.0	—	4.49	3.80	2.85
227811	S5R5V105	+	1.0	24.2 x 4.3 x 18.0	4.49	3.82	2.87

JAMECO ValuePro

Motor Running Capacitor

* Web Code: KBW

- Operating temp.: -25°C to +85°C
- Quick connect
- Metal or plastic shell and double welding sheet metal
- Insulation resistance: >300MΩ

Part No.	Cross Ref. No.	Value (μF)	Voltage (V)	Dimension D x H (mm)	1	10	100	500
332857	MRC370V25	25	370	40 x 70	\$10.05	\$8.17	\$7.11	\$6.75

Dipped Tantalum, Silver Mica & Radial Capacitors



JAMECO ValuePro

Resin Dipped Solid Tantalum Capacitors (±10%)

- Operating temp. range: -55°C to +85°C (+125°C with derating)
- Exceptional temperature stability
- Designed for entertainment and commercial equipment
- Rated voltage DC: ≤ +85°C
- Moisture-resistant
- 2.5mm lead spacing = .100" standard
- Low leakage current
- Flame retardant coating

† Cross References: Panasonic: EF Series; AVX: Tap Series; Kemet: T350/ T360; Sprague: 196D and 199D; Matsuo: 202; Mepco: 49GS; NEC: DN; Nichicon: 599; NIC: NDTM; Hitachi: TSD-3

QUANTITY
SAVE



* Web Code: VAE

Part No.	Cross Ref. No. †	*Mfr.	Value (µF)	Volt (V)	Size (mm)* D x H x L.S.	Pricing			
						1	10	100	500
33488	TM.1	JVP	.10	35	4.5 x 7.0 x 2.5	\$.29	\$.20	\$.19	\$.17
33486	TM.1/35	♦	.10	35	4.5 x 7.0 x 5.2	.23	.225	.171	.135
545561	TAP104K035SCS	JVP	.10	35	4.0 x 6.0 x 2.5	.29	.216	.181	.135
332111	TDR0.1/50	JVP	.10	50	4.5 x 7.0 x 2.5	.37	.339	.266	.235
545570	TAP104K050SCS	JVP	.10	50	4.0 x 6.0 x 2.5	.40	.339	.29	.265
33507	TM.22/35	♦	.22	35	4.5 x 7.0 x 5.0	.27	.21	.16	.12
33525	TM.33	JVP	.33	35	4.5 x 7.0 x 2.5	.35	.273	.221	.212
33523	TM.33/35	♦	.33	35	4.5 x 7.0 x 2.5	.31	.269	.255	.191
33533	TM.47	JVP	.47	35	4.5 x 7.0 x 2.5	.22	.20	.15	.14
33531	TM.47/35	♦	.47	35	4.5 x 7.0 x 2.7	.24	.216	.173	.13
61103	TM.68	JVP	.68	35	4.5 x 7.0 x 2.5	.34	.299	.216	.163
545588	TAP105K025SCS	JVP	1	25	4.3 x 7.0 x 2.5	.32	.288	.255	.235
154862	TM1/25	JVP	1	25	4.5 x 7.0 x 2.5	.32	.27	.23	.19
154860	TM1/25	♦	1	25	4.5 x 7.0 x 4.7	.30	.246	.194	.146
545596	TAP105K035SCS	JVP	1	35	4.3 x 7.0 x 2.5	.24	.202	.184	.181
33664	TM1	JVP	1	35	4.5 x 7.0 x 2.5	.34	.286	.23	.191
33662	TM1/35	♦	1	35	4.5 x 7.0 x 2.7	.29	.261	.225	.198
545609	TAP105K050SCS	JVP	1	50	4.7 x 7.5 x 2.5	.37	.34	.31	.26
94003	TM2.2/16	JVP	2.2	16	4.5 x 7.0 x 2.5	.26	.234	.188	.141
94001	TM2.2/16	♦	2.2	16	4.5 x 7.0 x 4.7	.24	.21	.177	.133
33736	TM2.2/35	JVP	2.2	35	5.0 x 8.0 x 2.5	.44	.368	.298	.27
545810	TAP225K035SCS	JVP	2.2	35	4.3 x 7.0 x 2.5	.33	.29	.18	.144
545941	TAP335K025SCS	JVP	3.3	25	4.3 x 7.0 x 2.5	.34	.303	.242	.182
94035	TM4.7/16	♦	4.7	16	5.0 x 8.0 x 2.5	.36	.324	.259	.194
546071	TAP475K025SCS	JVP	4.7	25	4.3 x 7.0 x 2.5	.43	.39	.35	.28
94043	TM4.7/25	♦	4.7	25	5.0 x 8.0 x 4.7	.36	.322	.271	.203
546089	TAP475K035SCS	JVP	4.7	35	4.7 x 7.5 x 2.5	.56	.471	.425	.323
33806	TM4.7/35	♦	4.7	35	5.5 x 9.5 x 2.5	.41	.378	.333	.25
546185	TAP685K025SCS	JVP	6.8	25	4.7 x 7.5 x 2.5	.52	.405	.324	.243
545617	TAP106K006SCS	JVP	10	6.3	4.3 x 7.0 x 2.5	.36	.311	.28	.21
545625	TAP106K010SCS	JVP	10	10	4.7 x 7.5 x 2.5	.47	.43	.39	.34
94062	TM10/16	JVP	10	16	5.0 x 8.0 x 2.5	.45	.39	.29	.25
94060	TM10/16	♦	10	16	5.0 x 8.0 x 4.7	.41	.351	.261	.196

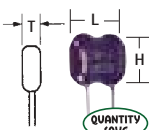
* Capacitor dimensions and styles may vary

Dipped Silver Mica Capacitors (±5%)

Metallized Polyester Film

- Case type: DM15
- Lead Space: 0.23"
- Tolerance: ±5%
- Operating temp. range: -55° to +125°C

* Web Code: HAB



Part No.	Cross Ref. No.	Value	Volt. (V)	Size (mm) L x T x H*	1	10	100	1000
16037	DM220	22pF	500	11 x 4 x 9	\$.56	\$.50	\$.40	\$.30
16096	DM470	47pF	500	11 x 4 x 9	.46	.414	.331	.248
16002	DM101	100pF	500	11 x 4 x 9	.45	.405	.35	.27
16088	DM331	330pF	500	11 x 4 x 9	.89	.73	.55	.413
16109	DM471	470pF	500	11 x 4 x 9	1.15	1.04	.84	.63

* Capacitor dimensions and styles may vary

More Product Information

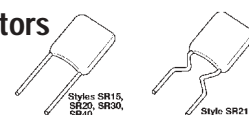
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AVX® Radial Ceramic Capacitors

- Conformally coated radial leaded MLC
- Case material: epoxy
- Lead material: 24AWG solid copper plated



AVX Style	SR15 (A) Case	SR20/SR21 (B) Case	SR30 (C) Case
Width (W)	3.81mm (0.15")	5.08mm (0.20")	7.62mm (0.30")
Height (H)	3.81mm (0.15")	5.08mm (0.20")	7.62mm (0.30")
Thickness (T)	2.54mm (0.10")	3.175mm (0.125")	3.81mm (0.15")
Lead spacing (L.S.)	2.54mm (0.10")	5.08mm (0.20")	5.08mm (0.20")
Lead dia (L.D.)	0.508mm (0.02")	0.508mm (0.02")	0.508mm (0.02")

X7R Leaded Case

* Web Code: XDE

* Order in multiples of 10

Part No.	Product No.	Temp. Coeff.	Value	Volt.	Tolerance	Case	1	10	100
849362	SR155C103KAA	X7R	.01µF	50	10%	A	*.128	\$.103	
767543	SR155C103KAR	X7R	.01µF	50	10%	A	*.071	.069	
849522	SR205C104KAA	X7R	.1µF	50	10%	B	*.131	.115	
849899	SR215C224KAA	X7R	.22µF	50	10%	B	.52	.442	.332
768175	SR305C474KAR	X7R	.47µF	50	10%	C	1.00	.74	.56
850072	SR305C105KAA	X7R	1µF	50	10%	C	1.02	.86	.72
768141	SR305C105KAR	X7R	1µF	50	10%	C	.74	.71	.69

Blue Part No. = Limited Quantity Available

* JVP = Jameco ValuePro ♦ Manufacturer Varies

* For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 159.

JAMECO ValuePro Ceramic Disc Capacitors (±5, ±10 or ±20%)

25, 50, 500 and 1000 Volt, Z5U Temperature Coefficient

- Operating temp. range: +10°C to +85°C
- Dielectric withstanding voltage: 2.5 times rated volt. for not < 1 sec.
- Cap. change over temp. range: +22 to -56%

NEW
MARKED IN PINK



* Web Code: HBW

* Order in multiples of 10

Part No.	Cross Ref. No.	*Mfr.	Value	Volt (V)	Tol.	Size Dia.	Pricing				
							1	10	100	1000	5000
332291	CD3.3/1000	JVP	3.3pF	1000	20	5mm	\$.29	\$.26	\$.22	\$.177	\$.132
15335	DC10	JVP	10pF	50	20	5mm	* .07	.05	.02	.015	
15333	DC10	♦	10pF	50	20	5mm	* .063	.046	.021	.017	
332321	CD20/1000	JVP	20pF	1000	20	5mm	.53	.42	.24	.22	.16
15407	DC22	JVP	22pF	50	20	6mm	* .078	.07	.056	.042	
15405	DC22	♦	22pF	50	20	6mm	* .076	.054	.027	.021	
332217	CD33/50	JVP	33pF	50	20	5mm	* .082	.074	.058	.044	
1947010	DC33TR	♦	33pF	100	10	5mm	* .06	.02	.015	.01	
1947028	DC33ATR	♦	33pF	500	5	5mm	* .09	.06	.04	.03	
15512	DC47	JVP	47pF	50	20	5mm	* .055	.049	.04	.03	
1947036	DC47TR	♦	47pF	500	5	6mm	* .09	.06	.04	.03	
15343	DC100	JVP	100pF	50	20	5mm	* .056	.05	.04	.03	
15341	DC100	♦	100pF	50	20	5mm	* .05	.035	.025	.019	
1947044	DC100TR	♦	100pF	100	10	8mm	* .06	.02	.015	.01	
332363	CD120/1000	JVP	120pF	1000	20	5mm	.28	.247	.176	.097	.072
332371	CD150/1000	JVP	150pF	1000	20	5mm	.53	.394	.23	.216	.205
1947052	DC150TR	♦	150pF	100	10	8mm	* .06	.02	.015	.01	
1947087	DC150ATR	♦	150pF	100	5	4mm	* .06	.02	.015	.01	
15413	DC220	♦	220pF	50	20	5mm	* .05	.029	.019	.014	
1947132	DC220TR	♦	220pF	50	5	8mm	* .06	.02	.015	.01	
1947159	DC220ATR	♦	220pF	100	5	7mm	* .06	.02	.015	.01	
1947239	DC220BTR	♦	220pF	500	10	10mm	* .11	.06	.04	.03	
1947301	DC330TR	♦	330pF	100	20	5mm	* .06	.04	.02	.015	
1947378	DC330ATR	♦	330pF	500	20	5mm	* .09	.06	.04	.03	
15528	DC470	♦	470pF	50	20	5mm	* .08	.065	.025	.022	
1947319	DC470TR	♦	470pF	100	20	5mm	* .06	.04	.02	.015	
332419	CD560/1000	JVP	560pF	1000	20	6mm	* .056	.052	.04	.03	
332436	CD1000/1000	JVP	1000pF	1000	20	5mm	.39	.223	.152	.081	.061
15211	DC.0047	♦	.0047µF	50	20	6mm	* .045	.032	.027	.02	
1947335	DC.0047TR	♦	.0047µF	100	20	5mm	* .06	.04	.02	.015	
1947407	DC.0033	♦	.0033µF	500	20	9mm	* .09	.06	.04	.03	
1947327	DC.0022TR	♦	.0022µF	25	20	4mm	* .06	.04	.02	.015	
1947386	DC.0022ATR	♦	.0022µF	500	20	7mm	* .09	.06	.04	.03	
15192	DC.001	JVP	.001µF	50	20	6mm	* .067	.06	.048	.036	
15190	DC.001	♦	.001µF	50	20	6mm	* .06	.054	.043	.032	
1947343	DC.001TR	♦	.001µF	100	20	4mm	* .06	.04	.02	.015	
1947394	DC.001ATR	♦	.001µF	500	20	4mm	* .09	.06	.04	.03	
1947415	DC.001BTR	♦	.001µF	500	10	7mm	* .09	.06	.04	.03	
15231	DC.01	JVP	.01µF	50	20	6mm	* .067	.045	.033	.029	
15229	DC.01	♦	.01µF	50	20	6mm	* .06	.04	.03	.02	
97377	DC.01/1K20	JVP	.01µF	1000	20	12mm	.23	.20	.133	.093	.073
97375	DC.01/1K20	♦	.01µF	1000	20	12mm	.20	.146	.139	.111	.083
332487	CD20000/1000	JVP	.02µF	1000	20	16mm	.60	.54	.459	.367	.275
15247	DC.022	JVP	.022µF	50	20	8mm	* .07	.063	.057	.051	
15245	DC.022	♦	.022µF	50	20	8mm	* .063	.045	.036	.027	
15255	DC.047	JVP	.047µF	50	20	8mm	* .093	.083	.066	.049	
15253	DC.047	♦	.047µF	50	20	8mm	* .084	.076	.06	.045	
1947351	DC.047B	♦	.047µF	25	20	7mm	* .06	.04	.02	.015	
332507	CD50000/1000	JVP	.05µF	1000	20	16mm	1.35	1.28	.81	.65	.488
151118	DC.1/25	JVP	.1µF	25	20	6mm	.23	.17	.15	.14	.09
151116	DC.1/25	♦	.1µF	25	20	6mm	.21	.15	.135	.115	.086
15272	DC.1	JVP	.1µF	50	20	8mm	.25	.20	.174	.154	.126
15270	DC.1	♦	.1µF	50	20	8mm	.21	.153	.133	.117	.097
332516	CD100000/1000	JVP	.1µF	1000	20	21mm	2.39	2.15	1.82	1.46	1.10

TR behind Cross Ref. Number are Tape and Reel

* JVP = Jameco ValuePro ♦ Manufacturer Varies

* For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 159.

JAMECO ValuePro Monolithic Ceramic Capacitors

XR7 Series (±10%)

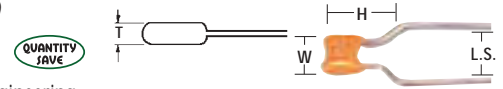
Applications:

- Data processing
- Communications engineering

Operating temp. range: -10°C to +85°C

* Web Code: JBV

* Order in multiples of 10



Part No.	Cross Ref. No.	*Mfr.	Value	Volt. (V)	Size (mm)* WxTxHxL.S.	Pricing				
						1	10	100	1000	5000
332583	MOC100/100	JVP	100pF	100	5.0x5.0x3.0x2.5	* .127	.094	.067	.063	
332612	MOC470/100	JVP	470pF	100	5.0x5.0x3.0x2.5	* .145	.13	.104	.078	
544825	SR151C102KAA	JVP	1000pF	100	3.8x2.5x3.8x5.1	* .086	.071	.045	.044	
597281	SR211C103KAA	JVP	.01µF	100	3.8x2.5x3.8x5.1	* .118	.098	.046	.043	
544833	SR151C103KAA	JVP	.01µF	100	3.8x2.5x3.8x5.1	* .071	.056	.048	.043	
332647	MOC10000/100	JVP	.01µF	100	5.0x5.0x3.0x2.5	* .087	.071	.049	.047	
544892	SR211C223KAA	JVP	.022µF	100	3.8x2.5x3.8x5.1	.20	.169	.152	.122	.092
332655	MOC22000/100	JVP	.022µF	100	5.0x5.0x3.0x2.5	* .135	.107	.069	.065	
544905	SR211C333KAA	JVP	.033µF	100	3.8x2.5x3.8x5.1	.20	.177	.092	.072	.054
544913	SR211C473KAA	JVP	.047µF	100	3.8x2.5x3.8x5.1	.20	.159	.139	.134	.127
544921	SR215C104KAA	JVP	.1µF	50	3.8x2.5x3.8x5.1	* .138	.11	.071	.067	
544884	SR210C104KAA	JVP	.1µF	100	3.8x2.5x3.8x5.1	* .146	.106	.078	.07	
332672	MOC100000/100	JVP	.1µF	100	5.0x5.0x3.0x2.5	.20	.158	.115	.08	.076
544948	SR305C474KAA	JVP	.47µF	50	3.8x2.5x3.8x5.1	.46	.36	.31	.24	.18

* Capacitor dimensions and styles may vary

Z5U Series (±20%)

* Order in multiples of 10

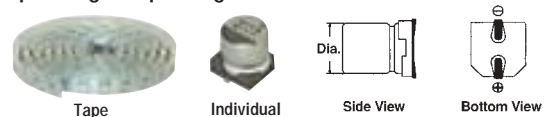
Part No.	Cross Ref. No.	*Mfr.	Value	Volt. (V)	Size (mm)* W x T x H	Pricing				
						1	10	100	1000	5000
81543	MD10	JVP	10pF	50	3.5x2.0x3.0	* .10	.065	.045	.035	
81535	MD22	JVP	22pF	50	4.0x2.0x4.0	* .072	.063	.055	.048	
81533	MD22	♦	22pF	50	4.0x2.0x4.0	* .075	.054	.037	.033	
332559	MOC33/100	JVP	33pF	100	4.2x3.0x4.2	.25	.15	.104	.064	.048
57621	MD.047	♦	.047µF	50	2.5x2.5x3.0	* .117	.086	.06	.052	
81519	MD.001	JVP	.001µF	50	4.5x2.0x3.0	* .10	.078	.075	.068	
81517	MD.001	♦	.001µF	50	4.5x2.0x3.0	* .068	.05	.034	.026	
25509	MD.01	JVP	.01µF	50	3.5x2.0x3.0	* .09	.06	.051	.048	
25507	MD.01	♦	.01µF	50	3.5x2.0x3.0	* .083	.055	.047	.044	
544868	SR151C472KAA	JVP	.1µF	50	3.8x2.5x4.0	* .073	.058	.041	.038	
25525	MD.1	JVP	.1µF	50	3.4x2.2x3.6	* .078	.067	.045	.043	
25523	MD.1	♦	.1µF	50	6.0x2.0x4.0	* .07	.06	.04	.035	
25541	MD.22	JVP	.22µF	50	6.0x2.0x4.5	.21	.189	.133	.089	.066
25540	MD.22	♦	.22µF	50	6.0x2.0x4.5	.20	.174	.122	.081	.075
544930	SR215E334MAA	JVP	.33µF	50	3.8x2.5x3.8	.20	.18	.153	.122	.092
138237	MD.33	♦	.33µF	50	6.0x2.0x8.0	* .129	.109	.069	.065	
25560	MD.47	JVP	.47µF	50	4.5x2.5x4.5	.43	.387	.329	.263	.197
25558	MD.47	♦	.47µF	50	4.5x2.5x4.5	* .127	.093	.085	.065	
544956	SR305E105MAA	JVP	1µF	50	3.8x2.5x3.8	.25	.23	.21	.19	.15
81510	MD1	JVP	1µF	50	6.0x3.0x7.0	.53	.48	.408	.326	.245
81509	MD1	♦	1µF	50	6.0x3.0x7.0	.30	.23	.161	.149	.124

* Capacitor dimensions and styles may vary

SMD Capacitors

Aluminum Electrolytic Capacitors

Operating Temp. Range: -55°C to +105°C



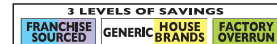
Leakage current (20°C) after 2 minutes .01CV or 3µA

* Web Code: BCE

Part No.	Cross Ref. No.	Value (µF)	Voltage (V)	Dia. (mm)	Pricing			
					1	10	100	500
608796	UUD1V680MCL1GS	68	35	6.3	\$.34	\$.31	\$.24	\$.18
608711	UUD1V680MNL1GS	68	50	8.0	.53	.477	.382	.287

† Cross Reference: Panasonic: VS Series

Ceramic Capacitors & Carbon Film Resistors

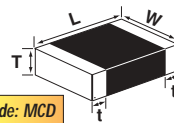


JAMECO ValuePro

Multilayer Ceramic Chip Capacitors

* Order in multiples of 10

Part No.	*Mfr.	Temp.	Value	Volt.	Tolerance	Case	1	10	100	500
544500	JVP	NPO	100pF	100	5	1206	\$.23	\$.221	\$.203	\$.168
650193	+	NPO	680pF	50	5	0805	*	.06	.05	.03
650492	+	X5R	.47µF	25	10	0805	*	.045	.044	.043
651461	+	X5R	4.7µF	25	10	1206	.51	.49	.36	.26
650581	+	X5R	10µF	6.3	10	0805	*	.116	.115	.113
651760	+	X5R	47µF	6.3	10	1210	2.95	2.75	2.47	1.98
544331	JVP	X7R	.01µF	50	10	0805	*	.075	.064	.051
87372	JVP	X7R	.1µF	25	10	0805	*	.09	.06	.05
544340	JVP	X7R	.1µF	50	10	0805	*	.076	.064	.061
87329	+	X7R	.01µF	50	10	1206	*	.081	.054	.034



SMT Case Dimensions (mm)

	0805	1206	1210
L	2.0	3.2	3.2
W	1.25	1.6	2.5
T	0.065	1.55	1.02
t	0.25	0.5	0.5

* Web Code: MCD

* Order in multiples of 10

Part No.	*Mfr.	Temp.	Value	Volt.	Tolerance	Case	1	10	100	500
87390	JVP	X7R	.1µF	50	10	1206	\$.064	\$.061	\$.058	
87388	+	X7R	.1µF	50	10	1206	\$.049	\$.029	\$.019	
651410	+	X7R	.47µF	50	10	1206	.23	.205	.185	.148
544665	JVP	X7R	1µF	25	10	1206	.43	.37	.22	.13
651428	+	X7R	1µF	25	10	1206	.20	.182	.164	.132
651541	+	Y5V	.10µF	50	+80/-20	1206	.26	.231	.208	.166
87222	JVP	Z5U	47µF	50	20	1206	.32	.29	.25	.225

JAMECO ValuePro

5mm Ceramic Trimmer Capacitor

NEW MARKED IN PINK

- Working voltage: 200VDC
- Withstand voltage: 400VDC
- Turning torque: 35-200 g-cm
- Q Factor @ 1MHz: >200
- Operating temperature range: -30°C~+85°C
- Insulation resis.: >10MΩ minimum @ 250VDC

* Web Code: PBZ

Part No.	*Mfr.	Capacitance Range (pF)	Color Code	1	10	100	1000
136979	JVP	9.0-50.0	Green	\$.69	\$.59	\$.39	\$.25

JAMECO ValuePro

Resin Molded Chip Tantalum Electrolytic Capacitors (±10%)

JAMECO EXCLUSIVE * Web Code: WAE

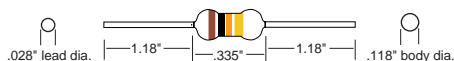
Case Size (Dimensions in mm)

EIA Case Code	L ±0.2	W ±0.2	H ±0.2	P ±0.3	a ±0.2	h(min)
(7343-31)	7.3	4.3	2.9	1.3	2.4	1.0

Part No.	Capacitance	Volts	10	100	500	1000
545449	100µF	16	\$1.85	\$1.65	\$1.25	\$1.20
597388	15µF	35	1.49	1.26	1.01	.76

1/2-Watt Carbon Film Resistors (±5%)

* Web Code: SCH



Single Resistor Value Pricing: 1/2-Watt Carbon Film Resistors (±5%)

To order: Use part number adjacent to ohms in chart below.

Values may not be combined for quantity price breaks.

Specify Part No. & Resistor Value	100	500	1000	2000
(see Standard Resistor Values Chart below)	\$.034	\$.023	\$.017	\$.013

Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms
659577	1.0	659833	12	661221	68	661378	300	661546	1.5k	661693	5.6k	661896	39k	662194	680k
659593	1.2	659850	15	661239	75	661386	330	661554	1.6k	661714	6.8k	661917	47k	662215	820k
659614	1.5	659884	20	661247	82	661407	390	661562	1.8k	661731	8.2k	661933	56k	662231	1.0M
659631	1.8	659892	22	661255	91	661423	470	661571	2.0k	661757	10k	661950	68k	662258	1.2M
659657	2.2	661124	27	661263	100	661431	510	661589	2.2k	661773	12k	661976	82k	662311	2.2M
659673	2.7	661132	30	661280	120	661440	560	661600	2.7k	661790	15k	661992	100k	662354	3.3M
659737	4.7	661141	33	661301	150	661458	620	661618	3.0k	661811	18k	662039	150k	662397	4.7M
659745	5.1	661167	39	661327	180	661466	680	661634	3.3k	661829	20k	662071	220k	662477	10M
659770	6.8	661183	47	661335	200	661474	750	661642	3.6k	661837	22k	662098	270k		
659796	8.2	661191	51	661343	220	661482	820	661651	3.9k	661845	24k	662119	330k		
659809	9.1	661204	56	661351	240	661503	1.0k	661677	4.7k	661853	27k	662135	390k		
659817	10	661212	62	661360	270	661520	1.2k	661685	5.1k	661870	33k	662151	470k		

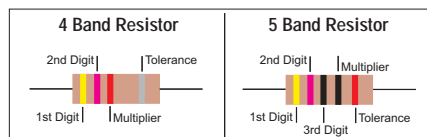
(✓), (X), (#) symbols indicate Resistor values included in Assortments above.

Assortment Pricing: 1/2-Watt Carbon Film Resistors (±5%)

Assortments may not be combined for quantity price breaks

Part No.	Cross Ref. No.	Values Included	Description (see chart below)	1	10
107853	ASST1230	X	10 ea. of 24 values marked by X and 50 ea. of 6 values marked by # (540 pcs.)	\$15.69	\$14.17
107845	ASST1227	✓	100 ea. of 27 values marked by ✓ (2,700 pcs.)	34.95	31.49
107837	ASST1270	—	5 ea. of 70 values (every other value from 10Ω - 5.6MΩ) (350 pcs.) (see chart below)	10.95	8.21
107879	CAB12R	—	1/2-watt resistor component cabinet kit - 30 values (540 pcs.), see page 40	29.95	26.95

Resistor Color Code Chart



Band Color	Digit	Multiplier	Tolerance	Band Color	Digit	Multiplier	Tolerance
Black	0	1	—	Blue	6	1,000,000	—
Brown	1	10	±1%	Violet	7	10,000,000	—
Red	2	100	±2%	Gray	8	100,000,000	—
Orange	3	1,000	±3%	White	9	—	—
Yellow	4	10,000	±4%	Gold	—	0.1	±5%
Green	5	100,000	—	Silver	—	0.01	±10%
				None	—	—	±20%

* JVP = Jameco ValuePro | ♦ Manufacturer Varies

* For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 159.

1/4-Watt Carbon Film Resistors RoHS (±5%)

*Web Code: RCN



Assortment Pricing: 1/4-Watt Carbon Film Resistors (±5%)

Assortments may not be combined for quantity price breaks

Single Value Resistor Pricing: 1/4-Watt Carbon Film Resistors (±5%)

To order: Use part no. adjacent to ohms in chart below.
 Values may not be combined for quantity price breaks.

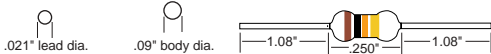
Pricing per Resistor (Please order in increments of 100)				
Specify Part No. & Resistor Value	100	500	1000	5000
(see Standard Resistor Values Chart below)	\$.01	\$.009	\$.008	\$.007

Part No.	Cross Ref. No.	Values Included	Description (see chart below)	Pricing		
				1	10	25
10720	ASST8-R	—	5 ea. 70 values (350 pcs.) (every other value from 10Ω - 5.6 MΩ)	\$9.99	\$8.99	\$7.99
103166	ASST30-R	● ✕	10 ea. 24 values marked ● and 50 ea. 6 values marked ✕ (540 pcs.)	12.95	11.49	9.99
10664	ASST27-R	▲	100 ea. 27 values marked (2,700 pcs.)	24.99	22.49	20.49
81832	—	—	1/4-watt resistor cabinet kit 30 values, see pg 40 (540 pcs.)	31.59	28.49	25.49

Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms
690216	2.2	690427	15	690620	100	690822	680	691024	4.7k	691227	33k	691420	220k	691622	1.5M
690224	2.4	690435	16	690638	110	690831	750	691032	5.1k	691235	36k	691438	240k	691631	1.6M
690232	2.7	690443	18	690646	120	690849	820	691041	5.6k	691243	39k	691446	270k	691639	1.8M
690241	3.0	690451	20	690654	130	690857	910	691059	6.2k	691251	43k	691454	300k	691649	2.0M
690259	3.3	690460	22	690662	150	690865	1.0k	691067	6.8k	691260	47k	691462	330k	691657	2.2M
690267	3.6	690478	24	690671	160	690873	1.1k	691075	7.5k	691278	51k	691471	360k	691665	2.4M
690275	3.9	690486	27	690689	180	690881	1.2k	691083	8.2k	691286	56k	691489	390k	691673	2.7M
690283	4.3	690494	30	690697	200	690890	1.3k	691091	9.1k	691294	62k	691497	430k	691681	3.0M
690291	4.7	690507	33	690700	220	690902	1.5k	691104	10k	691307	68k	691500	470k	691690	3.3M
690304	5.1	690515	36	690718	240	690911	1.6k	691112	11k	691315	75k	691518	510k	691702	3.6M
690312	5.6	690523	39	690726	270	690929	1.8k	691121	12k	691323	82k	691526	560k	691711	3.9M
690321	6.2	690531	43	690734	300	690937	2.0k	691139	13k	691331	91k	691534	620k	691737	4.7M
690339	6.8	690540	47	690742	330	690945	2.2k	691147	15k	691340	100k	691542	680k	691745	5.1M
690347	7.5	690558	51	690751	360	690953	2.4k	691155	16k	691358	110k	691551	750k	691753	5.6M
690363	8.2	690566	56	690769	390	690961	2.7k	691163	18k	691366	120k	691569	820k	691761	6.2M
690371	9.1	690574	62	690777	430	690970	3.0k	691171	20k	691374	130k	691577	910k	691770	6.8M
690380	10	690582	68	690785	470	690988	3.3k	691180	22k	691382	150k	691585	1.0M	691788	7.5M
690398	11	690591	75	690793	510	690996	3.6k	691198	24k	691391	160k	691593	1.1M	691796	8.2M
690401	12	690603	82	690806	560	691008	3.9k	691201	27k	691403	180k	691606	1.2M	691809	9.1M
690419	13	690611	91	690814	620	691016	4.3k	691219	30k	691411	200k	691614	1.3M	691817	10M

1/4-Watt Carbon Film Resistors (±5%) Non-RoHS

*Web Code: NAE



Single Value Resistor Pricing: 1/4-Watt Carbon Film Resistors (±5%)

To order: Use part no. adjacent to ohms in chart, right. Values may not be combined for quantity price breaks.

Pricing per Resistor (Sold in bags of 100 pieces)				
Specify Part No. & Resistor Value	1 Bag	10 Bags	50 Bags	100 Bags
(see Standard Resistor Values Chart right)	\$.99	\$.57	\$.49	\$.46

Standard Resistor Values Chart

Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms
30293	2.2	59424	200	29760	1.5k	30841	33k
31296	51	30568	240	30277	2.0k	30955	39k
60134	68	30867	330	30314	2.2k	30613	270k
60222	75	31317	510	30672	3.3k	31202	470k
29946	100	31624	820	31270	5.6k	31325	510k
30162	150	29735	1.2k	30074	12k		

1/8-Watt Carbon Film Resistor (±5%) Assortment

*Web Code: CAP

Part No.	Cross Ref. No.	Values Included	Description (see chart below)	Pricing	
				1	10
108303	ASST1830	✕ #	10 ea. of 24 values marked by ✕ and 50 ea. of 6 values marked below by # (540 pcs.)	\$12.95	\$11.49
108291	ASST1827	✓	100 ea. of 27 values marked by ✓ (2,700 pcs.)	29.95	26.95

1/8-Watt Resistor Assortment Values (Ohms)

10 ✓	150 ✓	330 ✓	680 ✓	2.0k ✓	3.3k ✓	5.6k ✓	15k ✓	33k ✓	470k ✓
47 ✓	220 ✓	390 ✕	1.0k ✕	2.2k ✓	4.7k ✕	6.8k ✕	22k ✓	47k ✓	1.0M ✓
100 ✓	270 ✓	470 ✓	1.5k ✓	2.7k ✓	5.1k ✓	10k ✕	27k ✕	100k ✕	10M ✓



5-Watt Wirewound Resistors (5%)

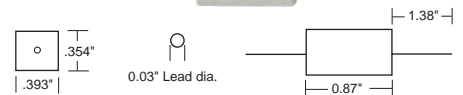
*Web Code: TCH

Single Value Resistor Pricing: 5-Watt Wirewound Resistors (±5%)

To order: Use part no. adjacent to Ω in chart below. Values may not be combined for quantity price breaks.

Pricing Per Resistor					
Specify Part No. & Resistor Value	1	10	100	500	1000
(see Standard Resistor Values Chart below)	\$.39	\$.294	\$.236	\$.212	\$.189

- Temp range: -55°C to +155°C
- Moisture resistant
- High temperature stability
- Exceptionally small, sturdy and reliable



Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms	Part No.	Ohms
659956	0.10	660025	0.39	660172	1.5	660287	4.7	660447	20	660551	50	660746	330	660957	2.2k
659964	0.15	660041	0.47	660199	1.8	660295	5.0	660455	22	660623	100	660762	390	660990	3.3k
659972	0.20	660050	0.50	660201	2.0	660359	8.2	660480	27	660631	120	660789	470	661010	4.7k
659981	0.22	660092	0.68	660244	3.0	660375	10	660498	30	660674	180	660797	500	661028	5.0k
660017	0.33	660130	1.0	660279	4.0	660412	15	660501	33	660682	200	660877	1.0k	661036	10k

*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 159.

Resistor Networks & Assortments



1/8-Watt Resistor Networks ($\pm 2\%$)

- 10-pin SIP
- Operating temp.: -55°C to 125°C
- Common circuit
- Max. working voltage: 100V

★ Web Code: BBS



Part No.	Product No.	Value (Ω)	1	10	100	500
281017	266-33k	33	.26	.23	.16	.12
280701	266-180	180	.26	.23	.16	.12
280947	266-10k-RC	10k	.24	.23	.167	.147

★ Resistor Arrays Available Online — enter web code WBS

★ Chip Resistors Available Online — enter web code MDW

SIP and DIP Resistor Network Cross Reference Chart

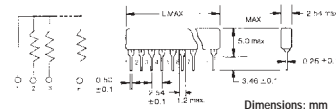
Jameco	CTS	A - B	Bourns	Dale	Beckman	Sprague	MEPCO
8BRN...	770-81-R...	708A	4608X-101...	CSC08A01...	L08-1-R...	356CF... X2PD	9S08... GL002
10BRN...	770-101-R...	710A	4610X-101...	CSC10A01...	L10-1-R...	256CX... X2PD	9S10... GL002
161RN...	761-3-R...	316B	4116R-001...	MDP16-03...	898-3-R...	916C... X5SR	D16H... 12-J

Single-In-Line "SIP" Resistor Networks ($\pm 2\%$)

8 and 10-Pin Bussed (125mW/Resistor) $\pm 2\%$

Features (8BRN/10BRN):

- 8-pin package (7 resistors) = 8BRN
- 10-pin package (9 resistors) = 10BRN
- Rated power per resistor at 70°C: 125mW/ resistor
- Operating temperature range: -55°C to +125°C
- Resistance temperature coefficient: 200ppm/°C
- Insulation resistance: 10,000M Ω min. at 100V
- Solderability: per MIL-R-83401
- Low profile 5mm (.20" body ht.)
- Low profile is compatible with DIPs
- Cermet thick film construction



Pricing per each			
1	10	100	1000
\$.25	\$.19	\$.15	\$.12
Pricing for P/N 97826			
\$.24	\$.216	\$.173	\$.13

★ Web Code: LAL

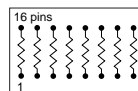
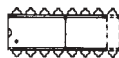
Part No.	Pins	Ohms
97826	8	10k
97851	10	330
97869	10	470
97877	10	1.0k
97893	10	2.2k
24660	10	4.7k
24643	10	10k
98095	10	100k

Dual-In-Line "DIP" Resistor Networks ($\pm 2\%$)

16-Pin Isolated (140mW/Resistor) $\pm 2\%$

Features (161RN):

- Tolerance: $\pm 2\%$
- Max. operating voltage: 100V
- Temperature coefficient: ± 100 ppm/°C
- Operating temp.: -55°C to +125°C
- Lead solderability/solvent resistance: meets requirements of MIL-R-83401
- Power rating at 70°C: 2.25 watts



Pricing per each			
1	10	100	1000
\$.39	\$.35	\$.31	\$.30

★ Web Code: GAP

- Insulation res.: 10,000M Ω min.
- Copper leads for excellent heat dissipation
- Compatible with automatic insertion equipment

Part No.	Ohms
108556	100
108564	220
108572	330
108581	470
108599	1.0k
108610	4.7k
108628	10k

0805 Chip Resistor Assortment ($\pm 5\%$)

144 Values, 50 pcs. each;
7,200 pcs. Total

- 1/8 Watt
- Max. overload volt.: 200V
- Weight: 1.9 lbs.
- Case size (2 cases): 10.5"L x 6.7"W x 1.7"T
- Operating temp.: -50°C to 120°C
- Size (mm): 2.0L x 1.25W x 0.5Thick

Includes: Case with labels

Part No.	Cross Ref. No.	1	10	25
172806	16-500	\$79.95	\$71.95	\$64.79

Resistance Value Chart:

1.2	10	75	430	2.0k	10k	51k	270k	2.2M
1.6	16	85	470	2.2k	11k	56k	300k	2.4M
2.2	18	91	510	2.4k	12k	62k	360k	2.7M
2.4	20	110	560	2.7k	13k	68k	390k	3.0M
2.7	22	120	620	3.0k	15k	75k	430k	3.3M
3.0	24	130	680	3.3k	16k	82k	470k	3.6M
3.3	27	150	750	3.6k	18k	91k	510k	3.9M
3.6	30	160	820	3.9k	20k	100k	560k	4.3M
4.3	33	180	910	4.3k	22k	110k	620k	4.7M
4.7	33	200	1.0k	4.7k	24k	120k	750k	5.1M
5.1	39	220	1.1k	5.1k	27k	150k	820k	5.6M
5.6	43	240	1.2k	5.6k	30k	160k	910k	6.2M
6.2	47	270	1.3k	6.2k	33k	180k	1.0M	7.5M
6.8	51	300	1.5k	6.8k	36k	200k	1.1M	8.2M
7.5	56	330	1.6k	7.5k	39k	220k	1.2M	9.1M
8.2	62	360	1.8k	8.2k	43k	240k	2.0M	10M
9.1	68	390	1.8k	9.1k	43k	240k	2.0M	10M

1206 Chip Resistor Assortment ($\pm 1\%$)

56 Values, 200 pcs. each; 11,200 pcs. Total

- Max. working voltage: 200V
- Power: 1/8W
- Operating temperature: -55°C to +125°C
- Temp. coefficient: ± 100 ppm/°C
- Resistor dimensions (mm): 3.10L x 1.5 W x 0.55H



Packaged in strips of 200 pcs. each

Part No.	Cross Ref. No.	1	10	25
156882	SMR1206SB	\$99.99	\$89.90	\$79.90

Value Chart (Ohms)

10	200	3.92k	75k
12.1	243	4.99k	90.9k
15	301	6.19k	100k
20	392	7.5k	121k
24.3	499	9.09k	150k
30.1	619	10k	200k
39.2	750	12.1k	243k
49.9	909	15k	301k
61.9	1k	20k	392k
75	1.21k	24.3k	499k
90.9	1.5k	30.1k	619k
100	2k	39.2k	750k
121	2.43k	49.9k	909k
150	3.01k	61.9k	1M

Potentiometers



16mm Linear Taper

- Rated volt.: 200V
- Shaft diameter: 0.25"
- Rotational angle: 300° ($\pm 5^\circ$)
- Rotation life: 15,000 cycles
- Insulation resistance: >100M Ω @ 500VDC

★ Web Code: YAX



1/8-Watt: Shaft length: 0.531"

Qty.	1	10	100	500
Price	\$1.35	\$1.13	\$1.02	\$.83

Part No.	Product No.	Ohms
286206	RV16AF-10-20R1-B14	10k

1/5-Watt: Shaft length: 0.335"

Qty.	1	10	100	500
Price	\$1.35	\$1.13	\$1.04	\$.95

Part No.	Product No.	Ohms
286249	RV16AF-10-15R1-B13	1k
286257	RV16AF-10-15R1-B2K	2k
286265	RV16AF-10-15R1-B53	5k
286273	RV16AF-10-15R1-B14	10k
286302	RV16AF-10-15R1-B15	100k
286337	RV16AF-10-15R1-B16	1M



1/4-Watt 24mm Audio Taper ($\pm 20\%$)

- Shaft length: 0.335"
- Shaft diameter: 0.25"
- Maximum voltage: 250V
- Terminal type: solder lugs
- Rotational angle: 300° ($\pm 5^\circ$)
- Insulation resistance: >100M Ω @ 500VDC

★ Web Code: MBQ



Qty.	1	10	100	500
Price	\$1.36	\$1.10	\$1.00	\$.92

Part No.	Product No.	Ohms
255426	RV24AF-10-15R1-A14	10k
255442	RV24AF-10-15R1-A15	100k
255451	RV24AF-10-15R1-A55	500k



1/2-Watt 24mm Linear Taper with SPST Switch ($\pm 20\%$)

- Shaft length: 0.335"
- Shaft diameter: 0.25"
- Terminal type: solder lugs
- Maximum voltage: 500V
- Switch rating: 125VAC, 1A
- Rotational angle: 300° ($\pm 5^\circ$)

★ Web Code: KBR



Qty.	1	10	100	500
Price	\$2.49	\$2.08	\$1.90	\$1.71

Part No.	Product No.	Ohms
263792	RV24A01F-10-15R1-B14	10k
263822	RV24A01F-10-15R1-B100K	100k



The Best Warranty in the Industry

All Jameco purchases are guaranteed for a full 90 days
and even longer for Jameco House Brands.

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RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 159.



- Rotational angle: 300° (±5°)
- Withstanding voltage for 1 minute: 500VAC
- Max. voltage: 500V • Shaft Dia.: 0.25"



Blue Part No. = Limited Quantity Available

Qty.	1	10	100	500
Price	\$1.36	\$1.10	\$1.00	\$0.92

0.335" L shaft; solder lugs

Part No.	Product No.	Ohms
255477	RV24AF-10-15R1-B52	500
255485	RV24AF-10-15R1-B13	1k
255493	RV24AF-10-15R1-B23	2k
255514	RV24AF-10-15R1-B53	5k
255522	RV24AF-10-15R1-B14	10k
255531	RV24AF-10-15R1-BF4	25k
255549	RV24AF-10-15R1-B54	50k
255557	RV24AF-10-15R1-B15	100k
255565	RV24AF-10-15R1-BF5	250k
255573	RV24AF-10-15R1-B55	500k
255582	RV24AF-10-15R1-B16	1M
255600	RV24AF-10-15R1-B26	2M

1/2-Watt Linear Taper (±10%)

- Temperature range: -55°C to +125°C
- Non-rotational key, Non-slotted shaft end
- Maximum panel thickness: 0.1875"
- Mounting hole: 0.3125"
- Shaft dia.: 0.25" • Shaft length: 0.50"

Includes: Mounting hardware

Qty.	1	10	100	500
Price	\$1.09	\$0.95	\$0.79	\$0.65

Part No.	Cross Ref.	Ohms	Part No.	Cross Ref.	Ohms
29050	P1K	1k	29103	P100K	100k
29197	P5K	5k	29066	P1MEG	1M
29082	P10K	10k			

Honeywell 2-Watt Linear Taper (±10%)

- 2W @ 70°C ambient
- Temp. range: -55°C to +120°C
- Non-rotational key
- Mounting hole: 0.375"
- Maximum panel thickness: 0.25"
- Shaft dia.: 0.25" • Shaft length: 0.875"

Includes: Mounting hardware

Qty.	1	10	25	50
Price	\$9.29	\$8.15	\$6.75	\$5.95

Part No.	Cross Ref. No.	Military No.	Ohms
241568	53C3-100	RV4NAYSD101A	100
241584	53C3-250	RV4NAYSD251A	250
183610	53C3-500	RV4NAYSD501A	500
13936	53C3-1k	RV4NAYSD102A	1k
241613	53C3-2k	RV4NAYSD202A	2k
241621	53C3-2.5k	RV4NAYSD252A	2.5k
13995	53C3-5k	RV4NAYSD502A	5k
13952	53C3-10k	RV4NAYSD103A	10k
241656	53C3-20k	RV4NAYSD203A	20k
241664	53C3-25k	RV4NAYSD253A	25k
95417	53C3-50k	RV4NAYSD503A	50k
13979	53C3-100k	RV4NAYSD104A	100k
241681	53C3-250k	RV4NAYSD254A	250k
241728	53C3-1M	RV4NAYSD105A	1M

1/2-Watt 24mm Linear Taper (±20%)

★ Web Code: NBO

0.531" L knurled shaft; solder lugs

Part No.	Product No.	Ohms
264373	RV24AF-10-20K-B52	500
264382	RV24AF-10-20K-B13	1k
264400	RV24AF-10-20K-B23	2k
264402	RV24AF-10-20K-B53	5k
264411	RV24AF-10-20K-B14	10k
264429	RV24AF-10-20K-B54	50k
264437	RV24AF-10-20K-B15	100k
264445	RV24AF-10-20K-BF5	250k
264453	RV24AF-10-20K-B55	500k
264462	RV24AF-10-20K-B16	1M
264480	RV24AF-10-20K-B26	2M

1.32" L shaft; solder lugs

Part No.	Product No.	Ohms
255611	RV24AF-10-40R1-B52	500
255628	RV24AF-10-40R1-B13	1k
255645	RV24AF-10-40R1-BF3	2.5k
255653	RV24AF-10-40R1-B53	5k
255662	RV24AF-10-40R1-B14	10k
255688	RV24AF-10-40R1-B54	50k
255696	RV24AF-10-40R1-B15	100k
255709	RV24AF-10-40R1-BF5	250k
255725	RV24AF-10-40R1-B16	1M

2-Watt Linear Taper Wirewound (±20%)

- Temp. range: -10°C to +70°C
- Shaft diameter: 0.25"
- Mounting hole: 0.375"
- Non-rotational key
- Length: 0.825" • Base length: 0.25"

Includes: Mounting hardware

Part No.	Cross Ref. No.	Ohms	1	10	100	500
123960	PT1K	1k ...	\$3.29	\$2.96	\$2.36	\$1.77
123967	PT5K	5k ...	3.29	2.96	2.36	1.77

5-Watt Linear Taper Wirewound (±20%)

- Temp. range: -10°C to 70°C
- Shaft diameter: 0.23" (6mm)
- Non-rotational key
- Mounting hole: 0.32"
- Maximum panel thickness: 0.1"
- Shaft length: 0.67"

Includes: Mounting hardware

Part No.	Cross Ref. No.	Ohms	1	10	50	100
140514	PW5B100	100	\$3.49	\$3.19	\$2.79	\$2.09

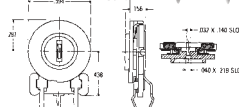
1/4-Watt Miniature Linear (±20%)

X201 (19/32") Vertical Mount

- 15mm thick
- Volt. rating: 350VDC
- Power rating: below 5kΩ – 1/4 watt @ 40°C; 5kΩ & above – 1/4 watt @ 55°C
- Total rotation: 260° ±5°

Cross Ref. Chart
Equivalent to:
CTS X201R
Bourns 3355X
PIHER PT15

Part No.	Cross Ref. No.	Ohms	1	10	100	500
94714	X201R10K	10k ...	\$0.55	\$0.45	\$0.39	\$0.35
94722	X201R50K	50k ...	.55	.45	.39	.35
94731	X201R100K	100k ...	.55	.45	.39	.35



Bourns® 2-Watt 10-Turn Wirewound (±5%)



- Insulation resistance: (500VDC) 1000MΩ min.
- Power rating: 3540 Series: 2W @ 70°C; 3590 Series: 2W @ 40°C
- Absolute min. resistance: 1Ω or 0.1% maximum
- Operating temp. range: +1°C to +125°C

★ Web Code: JBE

3540S -1 Series, Metal Bushing

Part No.	Product No.	Ohms	1	10	50
183548	3540S-1-502L	5k ...	\$14.35	\$13.59	\$11.91
183521	3540S-1-103	10k ...	12.99	12.79	12.59

3590S -1 Series, Plastic Bushing

Part No.	Product No.	Ohms	1	10	100
771112	3590S-1-102L	1k ...	\$9.89	\$9.24	\$8.63
771121	3590S-1-103L	10k ...	9.89	8.93	8.63
771139	3590S-1-104L	100k ..	12.85	11.56	11.18

3590S -2 Series, Metal Bushing

Part No.	Product No.	Ohms	1	5	100
855818	3590S-2-502L	5k ...	\$9.85	\$9.24	\$8.63
771155	3590S-2-103L	10k ...	10.55	8.86	8.43
771163	3590S-2-203L	20k ...	9.85	8.86	8.43

1/4-Watt, 1/4" Square, Multi-Turn Trimming Potentiometers (±10%)

3266W Series (Top adjust)

- Resistance tolerance: ±10%
- Y-layout solder pins
- Sealed cermet
- 12 turns nominal
- Absolute min. resistance: 1% or 2Ω max. (whichever is greater)
- Power rating: 0.25W @ 70°C (300V max.)
- Insulation resistance (500VDC): 1,000MΩ min.
- Contact resistance variation: 3% or 3Ω max. (whichever is greater)

Part No.	*Mfr.	Product No.	Ohms	1	10	100
254642	JVP	3266W-102	1k ...	\$2.89	\$2.45	\$2.34
696351	BNS	3266W-1-102	1k ...	3.69	3.23	2.65
254651	JVP	3266W-202	2k ...	2.89	2.45	2.34
254669	JVP	3266W-502	5k ...	2.89	2.45	2.34
696440	BNS	3266W-1-502	5k ...	2.89	2.60	2.47
254677	JVP	3266W-103	10k ...	2.89	2.45	2.34
254706	JVP	3266W-503	50k ...	2.89	2.45	2.34
254714	JVP	3266W-104	100k ...	2.89	2.45	2.34
696378	BNS	3266W-1-104	100k ..	3.65	2.77	2.47
254626	JVP	3266W-201	200 ...	2.89	2.45	2.34
254749	JVP	3266W-105	1M ...	2.89	2.45	2.34

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★ For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

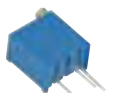
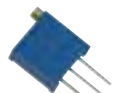
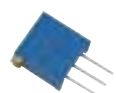
RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 159.

Trimming Potentiometers

3 LEVELS OF SAVINGS
FRANCHISE SOURCED | GENERIC BRANDS | HOUSE BRANDS | FACTORY OVERRUN

1/2-Watt, 3/8" Square, Multi-Turn Trimming Potentiometers (±10%)

- 25 turns nominal
- Resistance tolerance: ±10%
- Power rating: 0.5W @ 70°C (300V max.)
- Temperature range: -55°C to 150°C
- Absolute min. resistance: 1% or 2Ω max.
- Insulation resistance (500VDC): 1,000MΩ min.



3296X — Side Adjust, In-Line Solder Pins

Part No.	*Mfr.	Product No.	Ohms	1	10	100
853871	BNS	3296X-1-103	10k	\$2.49	\$1.88	\$1.55

3296Y — Top Adjust, Y-Layout Solder Pins

Part No.	*Mfr.	Product No.	Ohms	1	10	50
240389	BNS	3296Y-1-501	500	\$2.19	\$2.03	\$1.52
240397	BNS	3296Y-1-102	1k	2.19	1.98	1.48
240768	JVP	3296Y-202	2k	2.05	1.88	1.71
240776	JVP	3296Y-502	5k	2.05	1.88	1.71
240418	BNS	3296Y-1-502	5k	2.39	2.22	1.67
240784	JVP	3296Y-103	10k	2.05	1.88	1.71
240426	BNS	3296Y-1-103	10k	1.99	1.85	1.39
1156955	BNS	3296Y-1-103LF	10k	2.05	1.61	1.19
240434	BNS	3296Y-1-203	20k	2.59	2.23	1.67
240451	BNS	3296Y-1-503	50k	2.39	2.22	1.67
240469	BNS	3296Y-104	100k	2.05	1.87	1.64
240864	JVP	3296Y-503	2M	1.39	1.31	1.18

3299W — Top Adjust, In-Line Solder Pins

Part No.	*Mfr.	Product No.	Ohms	1	10	50
238553	BNS	3299W-1-100	10	\$2.59	\$2.37	\$1.78
183556	BNS	3299W-1-102	1k	2.39	2.25	1.99
238617	BNS	3299W-1-202	2k	2.95	2.36	2.10
238625	BNS	3299W-1-502	5k	3.45	2.90	2.38
241146	JVP	3299W-103	10k	1.99	1.82	1.53
238633	BNS	3299W-1-203	20k	2.39	2.04	1.53
241171	JVP	3299W-503	50k	2.25	2.01	1.79
238650	BNS	3299W-1-503	50k	2.39	2.04	1.53
183572	BNS	3299W-1-104	100k	2.89	2.68	2.23
854161	BNS	3299W-1-204	200k	2.59	2.07	1.83
238676	BNS	3299W-1-504	500k	2.69	2.43	1.82
238684	BNS	3299W-1-105	1M	3.49	3.20	2.82

3299Y — Top Adjust, Y-Layout Solder Pins

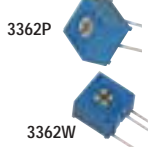
Part No.	*Mfr.	Product No.	Ohms	1	10	100
240590	BNS	3299Y-1-502	5k	\$2.65	\$2.04	\$1.81
240602	BNS	3299Y-1-103	10k	2.89	1.96	1.47

3296W — Top Adjust, In-Line Solder Pins

Part No.	*Mfr.	Product No.	Ohms	1	10	100
853530	BNS	3296W-1-101	100	\$2.19	\$1.54	\$1.35
853759	BNS	3296W-1-501	500	2.09	1.54	1.35
853556	BNS	3296W-1-102	1k	2.09	1.61	1.53
853652	BNS	3296W-1-202	2k	2.19	1.54	1.35
853775	BNS	3296W-1-502	5k	2.09	1.54	1.35
853572	BNS	3296W-1-103	10k	2.09	1.54	1.35
853679	BNS	3296W-1-203	20k	2.09	1.54	1.35
853791	BNS	3296W-1-503	50k	2.09	1.54	1.35
853599	BNS	3296W-1-104	100k	2.55	2.34	2.04
853695	BNS	3296W-1-204	200k	2.19	1.54	1.35
853812	BNS	3296W-1-504	500k	2.09	1.54	1.35
853610	BNS	3296W-1-105	1M	2.09	1.61	1.47

1/2-Watt, 1/4" Square, Trimming Potentiometers (±10%)

- Resistance tolerance: ±10%
- Absolute min. res.: 1% or 2Ω
- Adjustment angle: 240° nominal
- Insulation res. (500VDC): 1,000MΩ min.
- Power rating: 0.5W @ 70°C
- Temperature range: -55°C to 125°C



3362H Series — Top Adjustment, Y-Layout

Part No.	*Mfr.	Product No.	Ohms	1	10	100
770363	BNS	3362H-1-102LF	1k	\$0.78	\$0.66	\$0.56
770371	BNS	3362H-1-103	10k	.82	.69	.64

3362P Series — Top Adjust, Y-Layout

Part No.	*Mfr.	Product No.	Ohms	1	10	100
191644	♦	3362P-200	20	\$0.69	\$0.62	\$0.47
182810	♦	3362P-501	500	.69	.62	.50
854663	BNS	3362P-1-102LF	1k	.81	.67	.64
854698	BNS	3362P-1-202	2k	.82	.69	.64
182837	♦	3362P-103	10k	.79	.72	.541
854727	BNS	3362P-1-503	50k	.81	.66	.56

3362R Series — Top Adjust, Rev. Y-Layout

Part No.	*Mfr.	Product No.	Ohms	1	10	100
770451	BNS	3362R-1-103LF	10k	\$0.81	\$0.69	\$0.64

♦ Blue Part No. = Limited Quantity Available

Pocket Trimmer Potentiometer Adjustment Tool

- Glass-filled body
- Stainless steel blade
- Size: 5.2"L



Part No.	Description	1	10	100
153315	Trimmer tool	\$1.59	\$1.45	\$1.35

Our Tech Support Department is ready to answer any questions you may have. Give them a call at 1-800-831-4242.

1/2-Watt, 3/8" Square, Trimming Potentiometers (±10%)

- Insulation resistance (500VDC): 1,000MΩ min.
- Resistance tolerance: ±10%
- Absolute min. resistance: 2Ω max.
- Adjustment angle: 280° nominal
- Power rating: 0.5W @ 85°C (300V max.)
- Temp. range: -55°C to 125°C



3386H — Side Adjust, Rev. Y-Layout Pin

Part No.	*Mfr.	Product No.	Ohms	1	10	100
770734	BNS	3386H-1-103	10k	\$1.21	\$1.09	\$0.90

3386W — Side Adjust, In-Line Solder Pins

Part No.	*Mfr.	Product No.	Ohms	1	10	100
241429	JVP	3386W-102	1k	\$1.07	\$0.95	\$0.83

3386P — Top Adjust, Y-Layout Solder Pins

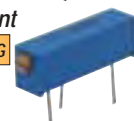
Part No.	*Mfr.	Product No.	Ohms	1	10	100
855164	BNS	3386P-1-101LF	100	\$1.21	\$1.06	\$0.90
855480	BNS	3386P-1-501	500	1.10	.97	.90
43123	♦	63P500	500	.78	.69	.61
855199	BNS	3386P-1-102	1k	1.09	.84	.78
42964	♦	63P1K	1k	.83	.73	.64
43043	♦	63P2K	2k	.78	.69	.61
855519	BNS	3386P-1-502	5k	1.10	.98	.90
43078	♦	63P5K	5k	.78	.69	.61
855228	BNS	3386P-1-103	10k	1.10	.97	.90
770806	BNS	3386P-1-103LF	10k	1.09	.84	.78
43001	♦	63P10K	10k	.85	.79	.69
43051	♦	63P20K	20k	.93	.80	.65
43107	♦	63P50K	50k	.78	.69	.61
855244	BNS	3386P-1-104	100k	1.10	.97	.90
43027	♦	63P100K	100k	.83	.73	.64
43060	♦	63P300K	300k	.85	.79	.69
63212	♦	63P500K	500k	1.02	.92	.76
855287	BNS	3386P-1-105LF	1M	1.09	.98	.90
42981	♦	63P1MEG	1M	.88	.66	.65

* BNS = Bourns | JVP = Jameco ValuePro | ♦ Manufacturer Varies

3/4-Watt, 3/4" Rectangular, Multi-Turn Cermet Trimming Potentiometers (±10%)

3006P Series — Side Adjustment

- 15 turns nominal
- Y-layout solder pins
- Insulation resistance: (500VDC) 1,000MΩ min.
- Contact res. variation: 1% or 1Ω max.
- Absolute min. resistance: 1% or 2Ω max.
- Power rating: 0.75W @ 70°C (400V max.)



Part No.	*Mfr.	Product No.	Ohms	1	10	100
241235	JVP	3006P-101	100	\$1.19	\$1.12	\$1.03
241242	JVP	3006P-1-201	200	1.19	1.12	1.03
241252	JVP	3006P-501	500	1.19	1.12	1.03
696087	BNS	3006P-1-501	500	1.49	1.45	1.39
241270	JVP	3006P-102	1k	1.19	1.12	1.03
696001	BNS	3006P-1-102	1k	1.49	1.45	1.35
41785	♦	43P1K	1k	1.07	1.01	.93
241278	JVP	3006P-202	2k	1.19	1.12	1.03
41865	♦	43P2K	2k	1.07	1.01	.93
241286	JVP	3006P-502	5k	1.19	1.12	1.03
696095	BNS	3006P-1-502	5k	1.49	1.45	1.39
41890	♦	43P5K	5k	1.07	1.01	.93
241294	JVP	3006P-103	10k	1.19	1.12	1.03
696010	BNS	3006P-1-103	10k	1.49	1.45	1.39
41822	♦	43P10K	10k	1.07	1.01	.93
241307	JVP	3006P-203	20k	1.19	1.12	1.03
696061	BNS	3006P-1-203	20k	1.49	1.45	1.39
41873	♦	43P20K	20k	1.07	1.01	.93
241323	JVP	3006P-503	50k	1.19	1.12	1.03
696108	BNS	3006P-1-503	50k	1.49	1.45	1.39
41911	♦	43P50K	50k	1.07	1.01	.93
241332	JVP	3006P-104	100k	1.31	1.24	1.18
241350	JVP	3006P-204	200k	1.19	1.12	1.03
696028	BNS	3006P-1-104	100k	1.49	1.45	1.39
41849	♦	43P100K	100k	1.07	1.01	.93
241374	JVP	3006P-105	1M	1.19	1.12	1.03
696036	BNS	3006P-1-105	1M	1.49	1.45	1.39
41806	♦	43P1MEG	1M	1.07	1.01	.93

* For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 159.

JAMECO ValuePro

1/2-Watt, 1/4" Round, Trimming Potentiometers (±10%)

3329P Series — Top Adjustment

- Sealed to withstand wave soldering and immersion cleaning process
- Terminals: solderable pins
- Extended temp. range: -55°C to +150°C
- TO-5 grid
- Top adjustment

Part No.	*Mfr.	Product No.	Ohms	1	10	100
95441	◆	3329P-502	1k	\$1.75	\$1.46	\$1.20
95450	◆	3329P-502	5k	1.89	1.59	1.29
254530	JVP	3329P-103	10k	2.05	1.87	1.61
254538	JVP	3329P-203	20k	1.99	1.79	1.43
254562	JVP	3329P-104	100k	2.25	2.04	1.63



3329H Series — Top Adjustment

- Absolute min. res.: 1% or 2%
- Adjustment angle: 240° nominal
- Power rating: 0.5W @ 80°C
- Temp. range: -55°C to 150°C
- Insulation res. (500VDC): 1,000MΩ min.

Part No.	*Mfr.	Product No.	Ohms	1	10	100
854372	BNS	3329H-1-103	10k	\$2.35	\$2.04	\$1.92



◆ This product typically requires one to two additional days to ship. Please request 'ship partial' if you prefer the other products on your order to ship immediately. A separate shipping charge would apply.

Inductors & Chokes

JAMECO ValuePro

Conformal Coated RF Chokes

J. W. Miller 5300 Series Value Equivalents

- High current and high self-resonant frequency
- Low DCR
- Epoxy coated to protect winding from harsh environments
- Low cost

Part No.	Cross Ref. No.	L ±10% (μH)	Res. Freq. Min. (MHz)	DCR Max. (Ω)	Current Max. (mA)	Pricing
642492	5300-25	100.0	3.9	0.67	550	1 \$1.59 10 \$1.45 100 \$1.25

J. W. Miller 78F Series Value Equivalents

- High Q and self-resonant frequency
- Dielectric strength: 500V_{RMS}
- Color bands identification
- Operating temp.: -55°C to +105°C
- Overall length: 2.28"
- Low DCR
- Body length: 0.28"
- Body diameter: 0.11"
- Lead length: 1.0"
- Low cost

Part No.	Cross Ref. No.	L ±10% (μH)	SRF (MHz)	DCR Max. (Ω)	I (mA) Max.	Pricing
372111	78F1R0	1.0	180	0.15	385	1 \$0.42 10 \$0.357 100 \$0.268
372171	78F100	10.0	22	0.72	130	1 .29 10 .143 100 .097
372197	78F220	22.0	13	1.20	140	1 .42 10 .357 100 .268

* L (μH) ±5%

Epoxy Conformal Coated Chokes

- Operating temperature: -25°C to +85°C
- Size: A = 3.2mm max.; B = 7.0mm max.; C = 0.48±0.5mm (except P/N 208143: 0.50±0.05mm); D = 63±3mm
- Tolerance: 5%

Part No.	L (μH)	Q (min.)	Test. Freq (MHz)	Res. Freq Min. (MHz)	DCR Max. (Ω)	Max. DC Curr. (mA)	Pricing
208143	10	60	7.96	28.7	1.56	670	1 \$0.49 10 \$0.45 100 \$0.39
208194	100	45	2.52	5.0	4.98	240	1 .49 10 .416 100 .312
208240	1000	45	0.796	1.5	31.3	80	1 .49 10 .417 100 .313

JAMECO ValuePro

Axial Leaded RF Chokes

- Inductive tolerance: 10%
- Oper. temp.: -55°C to +125°C
- Size: A = 6.8mm max.; B = 19mm max.; C = 25.0±2.0mm; D = 0.65mm±0.5mm

J. W. Miller 4600 Series Value Equivalents

Part No.	Cross Ref. No.	L (μH) @ 1kHz	Q min.	SRF (MHz) min.	DCR Ω max.	IDC (mA)	Pricing
642337	4624	15	62	33	0.17	1000	1 \$0.75 10 \$0.68 100 \$0.58
642353	4629	55	72	17	1	500	1 .75 10 .68 100 .58
642388	4632	100	107	12	3	400	1 1.05 10 .95 100 .80

JAMECO ValuePro

Molded RF Choke

- High Q and high reliability
- Injection molded to protect coil from extreme environment
- Ferrite magnetic shielded for low radiation
- Operating temp.: -55°C to +105°C
- Dielectric strength: 1000V_{RMS}

J. W. Miller 9250 Series Value Equivalents

Part No.	Cross Ref. No.	L ±10% (μH)	SRF (MHz) (Min.)	DCR Max. (Ω)	I (mA) Max.	Core Material	Pricing
372533	9250-474	470.0	5.7	9.5	92	Ferrite	1 \$1.05 10 \$0.90 100 \$0.68

QUANTITY SAVE

*Web Code: PBY

* BNS = Bourns | JVP = Jameco ValuePro | ◆ Manufacturer Varies

JAMECO ValuePro

High Current Axial RF Chokes

- High current capacity
- Low DCR
- Ferrite bobbin core
- Test frequency: 1kHz

JAMECO EXCLUSIVE

*Web Code: BCG

J. W. Miller 5800 Series Value Equivalents

Part No.	Cross Ref. No.	L ±10% (μH)	DCR Max. (Ω)	DC Current Max. (A)	Pricing
642601	5800-101	100	0.208	0.632	1 \$1.44 10 \$0.71 100 \$0.59
642644	5800-221	220	0.43	0.508	1 1.44 10 .71 100 .539
642695	5800-102	1000	2.30	0.200	1 1.45 10 .79 100 .59
642741	5800-103	10,000	26.4	0.05	1 1.29 10 .63 100 .489

J. W. Miller 5900 Series Value Equivalents

◆ Blue Part No. = Limited Qty. Available

Part No.	Cross Ref. No.	L (μH)	DCR (Ω)	DC Current (A)	Pricing
642767	5900-220	22	0.026	6.07	1 \$2.59 10 \$1.26 100 \$1.06
642791	5900-101	100	0.09	2.79	1 2.35 10 1.28 100 .96
642821	5900-221	220	0.162	1.89	1 2.35 10 1.28 100 .96
642839	5900-271	270	0.208	1.63	1 2.29 10 1.55 100 1.10
642863	5900-471	470	0.38	1.2	1 2.35 10 1.28 100 .96
642880	5900-102	1000	0.844	0.8	1 2.39 10 1.28 100 .96
642898	5900-152	1500	1.18	0.7	1 2.35 10 1.20 100 1.03
642919	5900-682	6800	5.69	0.322	1 2.09 10 1.78 100 1.34
642927	5900-103	10,000	7.3	0.266	1 1.95 10 1.66 100 1.25

JAMECO ValuePro

High-Current Toroid Inductors

- DC - DC converter, EMI filter applications
- Low radiation
- Low core loss
- High current capacity
- Operating temperature: -55°C to +105°C
- V = vertical mount; H = horizontal mount
- See technical datasheets on www.Jameco.com for complete specs.

JAMECO EXCLUSIVE



J. W. Miller 2100 Series Value Equivalents

*Web Code: KBY

Part No.	Cross Ref. No.	L (μH) @ 1kHz	IDC max. (A)	DCR max. (Ω)	Lead Spa. (in)	Lead Dia. (in)	Pricing
371741	2101-V	10.0	10.8	0.006	0.34	0.053	1 \$2.45 10 \$1.56 100 \$1.12
371506	2101-H	10.0	10.8	0.006	0.77	0.053	1 1.95 10 1.75 100 1.30
371768	2103-V	15.0	7.7	0.012	0.33	0.042	1 1.69 10 1.04 100 .74
371822	2109-V	47.0	3.6	0.055	0.31	0.027	1 2.45 10 2.08 100 1.56
371848	2111-V	68.0	3.3	0.067	0.31	0.027	1 2.05 10 1.19 100 .89
371856	2112-V	100.0	2.4	0.13	0.31	0.022	1 2.29 10 1.97 100 1.68
371611	2112-H	100.0	2.4	0.13	0.74	0.022	1 1.69 10 .88 100 .66
371872	2114-V	150.0	3.4	0.062	0.35	0.034	1 1.65 10 1.20 100 .90
371638	2114-H	150.0	3.4	0.062	0.79	0.034	1 2.05 10 1.73 100 1.30
371899	2116-V	220.0	2.4	0.12	0.34	0.027	1 2.09 10 1.49 100 1.12
371653	2116-H	220.0	2.4	0.12	0.77	0.027	1 2.15 10 1.52 100 1.14
371670	2118-H	330.0	1.7	0.23	0.76	0.022	1 2.05 10 1.05 100 .79
371952	2122-V	680.0	1.4	0.33	0.35	0.022	1 2.15 10 1.15 100 .86
371725	2123-H	820.0	1.4	0.37	0.79	0.022	1 2.05 10 1.75 100 1.32
371979	2124-V	1000.0	1.3	0.40	0.37	0.022	1 2.12 10 1.17 100 1.08

High-Current Toroid Inductors continued on next page

*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. [Details on page 159.](#)

Jameco ValuePro High-Current Toroid Inductors (Continued)

J.W. Miller 2200 Series Value Equivalents

* Web Code: KBY

QUANTITY SAVE

Part No.	Cross Ref. No.	L (μH) @ 1kHz	IDC max. (A)	DCR max. (Ω)	Lead Spa. (in)	Lead Dia. (in)	Pricing		
							1	10	100
371303	2205-V	22.0	10.3	0.010	0.46	0.053	\$2.85	\$1.59	\$1.45
371346	2209-V	47.0	6.7	0.024	0.45	0.042	2.69	1.58	1.19
371371	2212-V	100.0	4.4	0.056	0.44	0.034	2.95	1.82	1.37
371135	2212-H	100.0	4.4	0.056	0.86	0.034	2.69	2.30	1.73
371418	2216-V	220.0	3.6	0.083	0.48	0.034	2.85	2.42	1.82
371434	2218-V	330.0	3.3	0.10	0.48	0.034	2.95	2.05	1.55

J.W. Miller 2300 Series Value Equivalents

* Web Code: KBY

Part No.	Cross Ref. No.	L (μH) @ 1kHz	IDC max. (A)	DCR max. (Ω)	Lead Spa. (in)	Lead Dia. (in)	Pricing		
							1	10	100
386901	2301-V	10.0	20.0	0.005	0.56	0.066	\$2.65	\$1.76	\$1.32
386978	2304-V	18.0	17.2	0.006	0.56	0.066	3.15	2.23	2.12
386521	2308-H	39.0	11.2	0.014	1.14	0.053	2.19	1.47	1.10
387111	2310-V	56.0	10.2	0.017	0.53	0.053	2.15	1.55	1.16
386601	2312-H	100.0	7.0	0.037	1.13	0.042	2.75	1.95	.95
387188	2313-V	120.0	6.7	0.040	0.52	0.042	2.75	1.88	1.41
386679	2315-H	180.0	4.8	0.078	1.12	0.034	2.75	2.60	1.38
387268	2316-V	220.0	5.8	0.054	0.56	0.042	2.75	1.82	1.35
386767	2319-H	390.0	5.0	0.072	1.17	0.042	2.59	2.40	1.80

J.W. Miller 5700 Series Value Equivalents

- Low radiation
- Low core loss

* Web Code: KBY

- High current capacity
- Size: A = 22.22mm max.; B = 11.09mm max.
C = 15.0±1.0mm; D = 1.2±0.5mm

- See page 118 for EMI suppression cores

- See technical datasheets on www.Jameco.com for complete specifications

Part No.	Cross Ref. No.	L (μH)	IDC max. (A)	L min. @ IDC	Pricing			
					1	10	25	50
208259	5701	10	11.0	5	\$4.75	\$4.35	\$4.19	\$3.99
208320	5712	150	4.75	85	5.25	4.50	3.83	3.06
208291	5705	450	1.5	250	5.19	3.85	3.43	2.82

NTC Thermistors

- Typical applications: temperature measurement/control/compensation; power supply fan control; PCB temperature monitoring
- Max. allowable power (@ 250°C): 0.55W
- Thermal dissipation factor: 6.5mW/°C (@ 250°C)
- Resistance value allowable difference: 10%

Part No.	Cross Ref. No.	Resistance (Ω @ 25°C)	B Constant (25/50°C > 10%)	Temp. Coef. @ 25°C (%/°C)	Pricing			
					1	10	100	500
207483	NTC-102	1k	3800	-4.3	\$.64	\$.61	\$.431	\$.363
207441	NTC-502	5k	3900	-4.4	.59	.53	.424	.318
207037	NTC-103	10k	4100	-4.6	.65	.55	.44	.37
206991	NTC-104	100k	4400	-4.9	.60	.54	.40	.30

LA Series Radial Leaded Varistors

The LA series of transient voltage suppressors are radial-lead varistors (MOV) that are designed to be operated continuously across AC power lines.

Part No.	*Mfr.	Product No.	Size (Dia.) mm	Continuous Voltage V _{MAC}	Transient Voltage V _{MDO}	Max. Energy Joules	Max. Clamping Voltage V _C	I _{PK} (A)	Pricing		
									1	5	100
34462	♦	V130LA20A	20	130	175	70	340	100	\$.59	\$.53	\$.424
667059	JVP	V130LA20B	20	130	200	140	340	100	.46	.43	.41
667032	JVP	V130LA2	7	130	200	17.5	340	10	*	.189	.173
1776054	LTL	V150LA10A	14	150	200	45	395	50	*	.274	.245
1776062	LTL	V250LA20A	14	250	330	72	650	50	*	.355	.314
1776071	LTL	V275LA40B	20	275	369	140	680	100	*	.431	.41
1776089	LTL	V420LA20A	14	420	560	90	1120	50	*	.323	.294

♦ This product typically requires one to two additional days to ship. Please request 'ship partial' if you prefer the other products on your order to ship immediately. A separate shipping charge would apply.

* JVP = Jameco ValuePro | LTL = Littelfuse | ♦ Manufacturer Varies

* For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 159.



Resettable Fuses

Polymer Positive Temperature Coefficient (PPTC) fuses have provided designers in numerous industries a new tool in their battle to improve product quality and performance. As PPTC fuses are resettable, warranty costs and service calls are largely avoided.

- Rated voltage (V_{MAX}): 60V

- Lead length (D): 7.6mm min.

- Max. current (I_{MAX}): 40A

- Thickness (E): 3.1mm max.

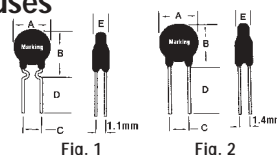


Fig. 1

Fig. 2

* Web Code: SBF

Part No.	Product No.	Hold Curr. (I _H , A)	Trip Curr. (I _T , A)	Fig.	Size (mm)			Pricing			
					A	B	C	1	10	100	500
199815	RA010-60	0.10	0.20	1	7.4	12.7	5.1	\$.54	\$.49	\$.47	\$.37
199858	RA030-60	0.30	0.60	1	7.4	13.0	5.1	.54	.49	.47	.37
199874	RA050-60	0.50	1.00	1	7.9	13.7	5.1	.63	.58	.55	.51
199882	RA065-60	0.65	1.30	1	9.7	14.5	5.1	.54	.495	.406	.366
199912	RA110-60	1.10	2.20	2	13.0	18.0	5.1	.55	.52	.49	.39

Low Profile Fuse Clips

- Low contact resistance
- Withstands shock/vibration
- Order in multiples of 10

* Web Code: EEE

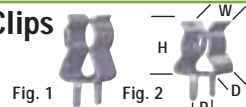


Fig. 1

Fig. 2

Part No.	Description	Fig.	Size (H" x W" x D" x P")	10	100	1000
102860	5mm, front leads	1	.37 x .25 x .21 x .19	\$.162	\$.074	\$.056
102842	1/4", front leads (10A)	2	.32 x .27 x .25 x .23	.116	.096	.088

Panel Mount Fuse Holders

- 1 1/4" x 1/4" Standard Thumbscrew Cap
- Straight solder terminal; 10A @ 250VAC



18703

Part No.	Approvals	Size	Mounting Hole	1	10	100	1000
120994	—	1.95" L x .71" Dia.	.58" Dia. (Double D-style)	\$.95	\$.83	\$.66	\$.59
18703	UL/CSA	2.05" L x .71" Dia.	.58" Dia. x .52" Flat (D-style)	1.59	1.35	1.15	.86

5mm x 20mm Miniature Thumbscrew Cap

- Straight solder terminal
- Size: 1.5" L x 0.6" Dia.

Part No.	Approvals	Current	Mounting Hole	1	10	100	1000
150464	—	6A @ 250VAC	.50" Dia. x .43" Flat	\$1.19	\$1.15	\$.98	\$.59
102825	UL/CSA	10A @ 250VAC	.50" Dia.	1.25	1.04	.92	.75

5mm x 20mm Mini Low Profile Fuse Holder

- 10A @ 250VAC
- Size: 1.4" L x 0.6" Dia.
- D-style mounting hole: 1 ea. 0.5" Dia x .46" flat



Part No.	Description	1	10	100
102832	Fuse holder UL/CSA	\$2.95	\$2.69	\$2.39

In-Line Fuse Holders

- Built-in spring ensures good fuse connection
- Vinyl covered wire with stranded copper center



102868

Part No.	AWG	Wire Lengths	Body Length	Body Color/Wire Color	1	10	100
109322	22	3.5/3"	2.4"	Black/Red	\$1.19	\$1.13	\$1.10
102868	20	3/3"	2.2"	White/Red	.78	.70	.58
151918	18	6/6"	2.4"	White/Red	1.19	1.02	.78
108783	16	21/26"	2.2"	Black/Orange	1.49	1.24	1.09
108792	14	19/25"	2.5"	Black/Red	3.05	2.75	1.99

5mm x 20mm Miniature

Part No.	AWG	Wire Color	Body Size	1	10	100
109330	20	Red	1.8" L	\$.69	\$.56	\$.42

* Fuse Holders Available Online — Enter Web Code: UEA

Panel Mount Fuse Holder

- Max. panel thickness: 5/16" (7.9mm)
- Terminal: tin-plated brass
- Body/cap/nut: thermoplastic, UL94 HB
- Size: 2.31" L x 0.69" D
- 250V



Part No.	Product No.	Amps	Description	1	10	100
1769807	HKP	30	Solder eyelet	\$3.99	\$3.78	\$3.59

Fuse Holders

Panel Mount for 3AG Fuses

- Dielectric strength: 2400V min.
- Knob: bayonet style with lettering
- Molded parts: black thermoplastic, UL94V-0
- Current rating: 20A
- Terminals: copper & copper alloy, tin plated

*Web Code: UEA

Part No.	Product No.	1	10	100
1711681	342012	\$2.79	\$2.61	\$2.17

Subminiature No. 560 for TR5®/TE5® Fuses

- PCB Mount, 7.18mm pin spacing
- Electrical rating: 250V, 6.3A, 1.6W
- Terminals: tinned copper alloy
- Holder: thermoplastic UL94V-0, polyester

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Part No.	Product No.	1	5	100
1716887	5600000100	\$.65	\$.59	\$.44

3AG Omni-Blok® Molded Base Type Fuse Block

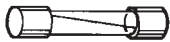
- Dielectrics strength: 1500V min.
- Clip/terminals: tin plated spring brass
- Solder terminal

Part No.	Product No.	Current Rating	1	10	100
1711947	354001-GYR	15A, 300V	\$.86	\$.79	\$.67

ValuePro Fuses

1.25" x .25" Standard Fast Acting (250V) AGC/3AG Fuses

* Order in multiples of 10



*Web Code: AAB

Part No.	Product No.	*Mfr.	Amps	1	10	100
69404	AGC-250mA	JVP	.25A	\$.52	\$.442	
10410	AGC-1/2	JVP	.5A	.22	.20	
652931	312.750HXP	LTL	.75A	.26	.22	.19
10373	AGC-1	JVP	1A	.341	.205	
652949	312001.HXP	LTL	1A	.29	.248	.232
197528	AGC-1.6	JVP	1.6A	.20	.17	
10382	AGC-2	JVP	2A	.309	.18	
69439	AGC-3	JVP	3A	.334	.284	
197544	AGC-4	JVP	4A	.29	.26	
10401	AGC-5	JVP	5A	.22	.20	
653010	312005.HXP	LTL	5A	.24	.22	.19
653028	312006.HXP	LTL	6A	.28	.26	.25
197552	AGC-6.3	JVP	6.3A	.264	.24	
653044	312008.HXP	LTL	8A	.36	.35	.34
69462	AGC-10	JVP	10A	.30	.26	
186301	—	JVP	16A	.25	.213	

1.25" x .25" Standard Slow Blow MDL/3AG Fuses (250V)



*Web Code: EAD

Part No.	Product No.	*Mfr.	Amps	1	10	100
653263	313.010HXP	LTL	.1A	\$3.29	\$3.08	\$2.56
25655	MDL-1/4	JVP	.25A	.37	.331	.301
25689	MDL-1/2	JVP	.5A	.65	.59	.472
25639	MDL-1	JVP	1A	.68	.61	.49
25646	MDL-2	JVP	2A	.51	.43	.41
69535	MDL-3	JVP	3A	.49	.47	.45
653511	313003HXP	LTL	3A	.76	.75	.74
25672	MDL-5	JVP	5A	.54	.486	.389
69570	MDL-10	JVP	10A	.90	.78	.62

218 Series 5mm x 20mm Time Lag Fuses

- 250V
- Body: glass
- UL/CSA/CE

*Web Code: KAH

Part No.	Product No.	*Mfr.	Amps	1	10	100
1709599	218.250HXP	LTL	.25A	\$1.20	\$1.11	\$.92
1709708	218002.HXP	LTL	2A	.80	.76	.63

ValuePro Fuses (Continued)

5mm x 20mm Mini Fast Acting GMA Fuses (250V)

- Recommended for new designs
- Prepackaged: please order in increments of 10



Part No.	Product No.	*Mfr.	Amps	10	100	500
103887	GMA-250mA	JVP	.25A	\$.398	\$.34	\$.24
102041	GMA-500mA	JVP	.5A	.22	.185	.148
103908	GMA-1	JVP	1A	.269	.188	.151
103916	GMA-2	JVP	2A	.305	.22	.159
103924	GMA-3	JVP	3A	.335	.301	.214
103932	GMA-5	JVP	5A	.178	.158	.144

5mm x 20mm Mini Slow Blow GMD Fuses (250V)

*Web Code: RAM



Part No.	Product No.	*Mfr.	Amps	10	100	1000
197502	GMD-500mA	JVP	500mA	\$.353	\$.326	\$.244
197465	GMD-1	JVP	1A	.35	.28	.21
197472	GMD-2	JVP	2A	.39	.36	.27
197482	GMD-3.15	JVP	3.15A	.40	.36	.33
197500	GMD-5	JVP	5A	.468	.428	.388

TTL Oscillators

- Frequency stability ± 100 ppm
- Operating temperature: 0°C to 70°C
- Output load TTL: 10 TTL max.

*Web Code: MAM

Half Can

- Input voltage: +3.3VDC $\pm 10\%$
- OSC series oscillators fit into a 14-pin DIP socket P/N 676385, web



Part No.	*Mfr.	Frequency (MHz)	Max. Input Current	Rise Fall Time	1	10	100
325462	♦	1.0	15mA	10ns	\$1.65	\$1.50	\$1.22
325489	♦	1.8432	15mA	10ns	2.09	1.75	1.31
325526	JVP	4.0	15mA	10ns	1.95	1.72	1.31
354829	JVP	10.0	25mA	5ns	2.09	1.87	1.50
102779	♦	10.0	45mA	6ns	1.75	1.58	1.25
325665	JVP	20.0	30mA	10ns	1.95	1.72	1.31
325730	JVP	40.0	70mA	5ns	1.95	1.72	1.31

Full Can

*Web Code: XAD

- Input voltage: +5VDC ± 0.5 VDC
- OSC series oscillators fit into a 14-pin DIP socket P/N 133006, web



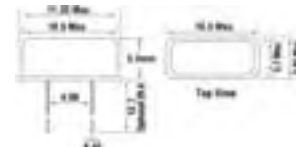
Part No.	*Mfr.	Frequency (MHz)	Max. Input Current	Rise Fall Time	1	10	100
27861	♦	1.0	7mA	15ns	\$2.49	\$2.20	\$1.43
27879	♦	1.8432	7mA	15ns	2.39	2.15	1.61
27924	♦	2.0	7mA	15ns	1.49	1.39	1.29
27967	♦	4.0	7mA	10ns	1.99	1.79	1.59
27991	♦	8.0	15mA	15ns	2.39	2.15	1.91
27887	♦	10.0	15mA	10ns	1.99	1.79	1.34
27895	♦	12.0	15mA	10ns	1.89	1.75	1.39
27908	♦	16.0	15mA	10ns	1.55	1.35	.95
354917	JVP	20.0	30mA	10ns	1.69	1.52	1.16
27932	♦	20.0	17mA	10ns	2.15	1.88	1.46
76822	♦	33.0	18mA	6ns	1.99	1.69	1.28
76857	♦	100.0	25mA	3ns	2.49	2.26	1.70

Quick and Easy Search

Our enhanced website offers over a hundred thousand datasheets and photos to assist you in finding the products you need.

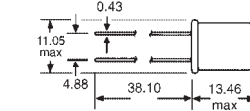
Crystals

- Frequency calibration tolerance: ± 50 ppm @ 25°C
- Operating temperature: -10°C to +60°C
- Drive level: 4.0mW maximum
- Shunt capacitance: 7pF maximum
- Freq. stability tolerance: ± 50 ppm from -10°C to +60°C

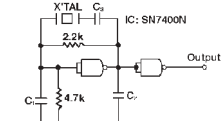


HC49/US Low Profile Case

*Web Code: EAU



HC49/U (HC18/U) Case
Dimensions in millimeters



C1: 150-470 pF
C2: 220-820 pF
C3: Match crystal impedance

Application Reference (4-14MHz) (parallel resonance)

ValuePro HC49/US Low Profile Case

Part No.	*Mfr.	Frequency (MHz)	Impedance	1	10	100
325201	JVP	12.0	20pF	\$.56	\$.508	\$.353
325025	JVP	24.0	20pF	.74	.68	.60

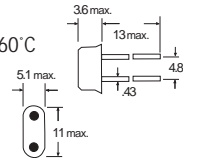
HC49/U (HC18/U) Case

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Part No.	*Mfr.	Frequency (MHz)	Impedance	1	10	100
102613	♦	1.8432	18pF	\$1.19	\$1.10	\$.82
101274	♦	2.4576	32pF	.75	.59	.45
14533	♦	3.579545	18pF	.40	.34	.255
324364	JVP	4.0	Series	.35	.299	.274
14592	♦	4.0	20pF	.59	.54	.41
14728	♦	8.0	Series	.42	.377	.34
14381	♦	10.0	Series	.79	.69	.59
120061	♦	11.0592	Series	.80	.71	.533
14402	♦	12.0	Series	.80	.68	.50
537799	♦	14.31818	Series	.25	.22	.19
324268	JVP	20.0	20pF	.35	.299	.274
14517	♦	20.0	Series	.79	.69	.59

HC49/S Low Profile Case

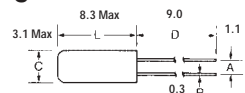
- Operating temp.: -10°C to +60°C
- Drive level: 0.5mW (fundamental frequency)
- Aging: ± 5 ppm/year max.
- Frequency stability tolerance: ± 50 ppm



Part No.	Comparable:	*Mfr.	Freq. (MHz)	Imped.	1	10
137832	CY4LP	♦	4.000	17pF	\$.49	\$.46
137875	CY11.05LP	♦	11.0592	Series	1.05	.81
137891	CY16LP	♦	16.000	Series	.44	.33

ValuePro Tuning Fork

- Operating temperature range: -10°C to +60°C
- Frequency: 32.768kHz
- Drive level: 1mW
- Frequency tolerance: ± 50 ppm
- Aging for first year: ± 3 ppm (max. +25°C)



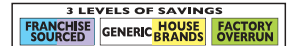
Part No.	Comparable to:	Imped.	1	10	100	1000
14584	CY32.76	10.5pF	\$.89	\$.79	\$.69	\$.52

* JVP = Jameco ValuePro | LTL = Littelfuse | ♦ Manufacturer Varies

*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 159.

Component Cabinet Kits



Kits Include the Most Popular Components and a Cabinet with Extra Drawers for Your Customized Expansion



81875 (Capacitor Kit)

Each kit includes a 20-drawer component cabinet (319600), 20 clear plastic drawers (319601), 20 clear dividers (319610), 30 adhesive labels for drawers to identify parts in kit, and all the electronic components listed in each kit.

20-drawer component cabinet with every kit!

- Cabinet size: 6.0"L x 15.0"W x 7.9"H
- Cabinet: ABS-Black
- Drawer size: 5.5"L x 2.7"W x 1.5"H
- Weight: 4.6 to 6.4 lbs.
- Cabinet is wall-mountable or free standing

Each Refill Package includes all Electronic Components listed in each kit; each type is separately packaged.

Need a refill?
Just call
1-800-831-4242



81832 (Resistor Kit)

1/4-Watt Carbon Film Resistor Kit

Includes 540 pcs. (30 values) 1/4-watt 5% Resistors

10 each	10 each	10 each	10 each	10 each	10 each	50 each	50 each
10Ω	330Ω	1.2kΩ	2.7kΩ	15kΩ	47kΩ	100Ω	4.7kΩ
47Ω	390Ω	1.5kΩ	3.3kΩ	20kΩ	470kΩ	220Ω	10kΩ
150Ω	470Ω	2kΩ	5.1kΩ	22kΩ	1MΩ	1kΩ	100kΩ
270Ω	680Ω	2.2kΩ	5.6kΩ	33kΩ	10MΩ		
Part No.	Description					Wt. (lbs.)	
81832	540 pcs. 1/4-watt Resistor kit					4.9	\$31.59
103166	Refill for 81832 (540 pcs.)					0.2	12.95

1/2-Watt Carbon Film Resistor Kit

Includes 540 pcs. (30 values) 1/2-watt 5% Resistors

10 each	10 each	10 each	10 each	10 each	10 each	50 each	50 each
10Ω	330Ω	1.5kΩ	3.3kΩ	15kΩ	47kΩ	100Ω	4.7kΩ
47Ω	390Ω	2kΩ	5.1kΩ	22kΩ	470kΩ	220Ω	10kΩ
150Ω	470Ω	2.2kΩ	5.6kΩ	27kΩ	1MΩ	1kΩ	100kΩ
270Ω	680Ω	2.7kΩ	6.8kΩ	33kΩ	10MΩ		
Part No.	Description					Wt. (lbs.)	
107879	540 pcs. 1/2-watt Resistor kit					5.1	\$29.95
107853	Refill for 107879 (540 pcs.)					0.4	15.69

1/2-Watt Single Turn Cermet Pot Kit

See page 36 (63P Series) for photos and specs.

Includes 100 pcs. (10 values) 1/2-watt Linear Taper Potentiometer

10 each	10 each	10 each	10 each	10 each	
63P500Ω	63P2kΩ	63P10kΩ	63P50kΩ	63P500kΩ	
63P1kΩ	63P5kΩ	63P20kΩ	63P100kΩ	63P1MΩ	
Part No.	Description		Wt. (lbs.)	1	10
85032	100 pcs. single turn Pot kit		4.9	\$77.99	\$73.99

3/4-Watt 15 Turn Cermet Pot Kit

See page 36 (43P Series) for photos and specs.

Includes 100 pcs. (10 values) 3/4-watt Linear Taper Potentiometer

10 each	10 each	10 each	10 each	10 each	
43P500Ω	43P2kΩ	43P10kΩ	43P50kΩ	43P500kΩ	
43P1kΩ	43P5kΩ	43P20kΩ	43P100kΩ	43P1MΩ	
Part No.	Description		Wt. (lbs.)	1	10
85041	100 pcs. 15 turn Pot kit		4.9	\$89.95	\$79.95

Radial Electrolytic Capacitor Kit

Includes 240 pcs. (15 values) ±20% Radial Electrolytic Capacitors

10 each	10 each	20 each	20 each	20 each
100μF @ 50V	1000μF @ 16V	1μF @ 50V	3.3μF @ 50V	22μF @ 50V
220μF @ 25V	2200μF @ 25V	1μF @ 100V	4.7μF @ 50V	47μF @ 50V
470μF @ 25V	3300μF @ 25V	2.2μF @ 50V	10μF @ 50V	100μF @ 25V
Part No.	Description		Wt. (lbs.)	
81867	240 pcs. Radial Capacitor kit		5.3	\$36.25
130331	Refill for 81867 (240pcs.)		0.5	29.99

Axial Electrolytic Capacitor Kit

Includes 140 pcs. (10 values) ±20% Axial Electrolytic Capacitors

10 each	10 each	10 each	20 each	20 each
47μF @ 50V	220μF @ 50V	1000μF @ 25V	1μF @ 50V	10μF @ 50V
100μF @ 50V	470μF @ 50V	2200μF @ 16V	4.7μF @ 50V	2.2μF @ 50V
Part No.	Description		Wt. (lbs.)	
81875	140 pcs. Axial Capacitor kit		5.3	\$45.55
130340	Refill for 81875 (140pcs.)		0.6	30.45
				22.84

Mylar Capacitor Kit

Includes 280 pcs. (10 values) 100V ±10% Mylar Capacitors

10 each	10 each	10 each	10 each	100 each
.001μF	.022μF	.047μF	.47μF	.01μF
.0047μF	.033μF	.22μF	1μF	.1μF
Part No.	Description	Wt. (lbs.)		10
81883	280 pcs. Mylar Capacitor kit	5.1	\$46.89	\$44.45
130358	Refill for 81883 (280pcs.)	0.3.....	33.95	30.95

Dipped Tantalum Capacitor Kit

Includes 150 pcs. (15 values) ±20% Dipped Tantalum Capacitors

10 each	10 each	10 each	10 each	10 each
.1μF @ 35V	1μF @ 25V	3.3μF @ 35V	10μF @ 16V	22μF @ 16V
.22μF @ 35V	1μF @ 35V	4.7μF @ 35V	10μF @ 35V	33μF @ 25V
.47μF @ 35V	2.2μF @ 16V	6.8μF @ 35V	15μF @ 25V	47μF @ 25V
Part No.	Description	Wt. (lbs.)	1	10
81841	150 pcs. Tantalum Capacitor kit	4.8	\$87.95	\$79.95
130260	Refill for 81841 (150 pcs.)	0.3	80.89	76.86

Ceramic Disc Capacitor Kit

Includes 520 pcs. (10 values) 50V ±20% Ceramic Disc Capacitors

20 each	20 each	20 each	100 each	100 each
10pF	47pF	470pF	.022μF	.01μF
22pF	100pF	.001μF	.047μF	.1μF
Part No.	Description	Wt. (lbs.)	1	10
81859	520 pcs. Ceramic Capacitor kit	5.0	\$38.45	\$34.62
130232	Refill for 81859 (520 pcs.)	0.3	23.45	20.95

Monolithic Ceramic Capacitor Kit

Includes 280 pcs. (10 values) 50V ±20% Monolithic Ceramic Capacitors

10 each	10 each	10 each	10 each	100 each
22pF	.001μF	.047μF	.47μF	.01μF
100pF	.0022μF	.22μF	1μF	.1μF
Part No.	Description	Wt. (lbs.)	1	10
171475	280 pcs. Monolithic Capacitor kit	5.0	\$31.15	\$29.25
171483	Refill for 171475 (280pcs.)	0.3	28.89	27.43

Transformers



PC Mount Audio Transformer

- Impedance matching: 10% over frequency range
- Applications: line matching, telephone coupling, pulse trigger, driver, interstage, output, isolation and input
- Impedance (Ω): 600CT
- Primary DC Unbalance: 15mA

Part No.	Product No.	Output (mW)	Size	1	10	100
630459	TY-145P	100	5/8"H x 9/32"D x 13/16"L	\$3.85	\$2.44	\$2.42

Modem Coupling Transformer

- Insulation resistance: 100MΩ
- Vacuum wax impregnated
- Core type: EI-14
- Hipot tested: 1000VAC

Part No.	Cross Ref. No.	Impedance (Ω)		Resistance (Ω)		Pricing		
		Primary	Secondary	Primary	Secondary	1	10	100
125357	XFR6006A14	600CT	600CT	65	55	\$1.95	\$1.79	\$1.59

*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 159.



Coaxial Cables

NEW
MARKED IN PINK

★ Web Code: UEZ

50Ω Transmission and Computer Cable RG8/X & RG8/U Type

16 AWG stranded (19x29) .058" bare copper RG8/X type

- 95% bare copper braid shield
- Foam polyethylene insulation and black PVC jacket
- Nominal capacitance: 81.4pF/m • Nominal impedance: 50Ω
- Nominal outer diameter: 0.242" • Color: black

Part No.	Product No.	Description	Price
234255	9258-1000-10	1000' reel	\$601.15
234258	9258-U500-10	500' unreel box	357.05
234257	9258-U1000-10	1000' unreel box	619.35

13 AWG stranded (7 x 21) .085" bare copper RG8/U type

- 97% bare copper braid shield
- Polyethylene insulation and black PVC jacket
- Nominal capacitance: 93.5pF/m • Nominal impedance: 52Ω
- Nominal outer diameter: .405" • Color: black

Part No.	Product No.	Description	Price
232848	8237-100-10	100' reel	\$166.05

11 AWG stranded (7 x 19) .108" bare copper RG8/U type

- Nominal outer diameter: .285" • Color: black
- Foam polyethylene insulation & black PVC jacket • 97% bare copper braid shield
- Nominal capacitance: 85.3pF/m • Nominal impedance: 50Ω

Part No.	Product No.	Description	Price
232768	8214-500-10	500' reel	\$780.65
232776	8214-1000-10	1000' reel	1,303.55

50Ω Transmission and Computer Cable RG58A/U Type

20 AWG solid .032" bare copper

- Nominal outer diameter: .193" • Color: black
- Polyethylene insulation and black PVC jacket • 95% tinned copper braid shield
- Nominal capacitance: 93.5pF/m • Nominal impedance: 51.5Ω

Part No.	Product No.	Description	Price
232899	8240-1000-10	1000' reel	\$358.25

20 AWG stranded (19 x 32) .037" tinned copper

- 96% tinned copper braid shield
- Foam polyethylene insulation and black PVC jacket
- Nominal capacitance: 86.9pF/m • Nominal impedance: 53.5Ω
- Nominal outer diameter: .194" • Color: black

Part No.	Product No.	Description	Price
232830	8219-1000-10	1000' reel	\$406.75

Precision Video Cable for Analog and Digital RG6 Type

18 AWG solid .040" bare copper

- Gas injected foam HDPE insulation, PVC jacket
- Nominal capacitance: 53.1pF/m • Nominal impedance: 75Ω
- DuoFoil® +95% tinned copper braid shield • Nominal outer diameter: .275"

Part No.	Product No.	Description	Price
234099	1694A-100-10	100' reel (black)	\$68.05














Hook-Up Wire – UL/CSA Dual Rated AWM Styles 1007/1569

NEW
MARKED IN PINK

★ Web Code: YCS

Applications: Inter-connection circuits, internal wiring of computer and data processing equipment, appliances & automotive. Appliance Wiring Material is Underwriter Laboratories' recognized covering of insulated wire and cable intended for internal wiring of appliances and equipment.

- Rated 105°C, 300V; 600V peak for electronic circuits and electrical equipment • Tinned copper • PVC insulated • 100' reel • Blue Part No. = Limited Quantity Available

Product No.	AWG	Stranding	Brown P/N	Red P/N	Orange P/N	Yellow P/N	Green P/N	Violet P/N	Gray P/N	White P/N	Black P/N	Dk Blue P/N	1	5	10
9928-100 	28	7 x 34	734602	734603	734604	734605	734606	734608	—	734610	734611	—	\$23.35	\$16.99	\$15.58
9926-100 	26	7 x 32	734502	734503	—	734505	734506	—	—	734510	734511	734514	23.85	21.58	18.10
9923-100 	24	7 x 32	734402	734403	—	734405	734406	—	—	734410	734411	—	24.79	22.73	19.06
9921-100 	22	7 x 30	734302	734303	734304	734305	734306	734308	734309	734310	734311	734314	27.25	26.38	25.53
9919-100 	20	7 x 28	734202	734203	734204	734205	734206	734208	734209	734210	734211	—	37.39	35.46	33.69
9918-100 	18	16 x 30	734102	734103	—	734105	734106	—	734109	734110	734111	734114	36.95	30.14	27.54
9916-100 	16	26 x 30	734002	734003	734004	734005 	734006	—	734009	734010	734011	734014	56.65	51.94	43.56
Product No.	AWG	Stranding	Yellow P/N				Green P/N		Violet P/N			Price			
9928-100 	28	7 x 34	—				234605		234607			\$14.85			
9923-100 	24	7 x 32	234404				—		—			16.75			
9916-100 	16	26 x 30	234004				—		234007			47.55			

*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 159.



Order by Phone 24/7 at 1-800-831-4242 or Online at www.Jameco.com

BELDEN Bus Bar Hook-Up Wire

In accordance with performance requirements of Federal Specs. QQ-W343G.

- Solid tinned copper, single conductor
- Nominal outer diameter: 24 AWG – .021"; 22 AWG – .026"; 20 AWG – .033"

Part No.	Product No.	Description	1	5	10
734165	8020-100-	20 AWG, 100' reel	\$27.95	\$22.42	\$20.34
234165	8020-1000-	20 AWG, 1000' reel	141.49	120.59	111.51

NEW
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*Web Code: QCS

BELDEN Paired Cable

NEW
MARKED IN PINK

*Web Code: HCS

Belden paired cables allow balanced signal transmission, which results in lower cross talk through common mode rejection. Due to the improved noise immunity of twisted pairs, they generally permit higher data speeds than other multi-conductor cables.

- Chrome PVC jacket
- Tinned copper
- Twisted pairs
- Tinned copper drain wire
- Overall 100% BELDFOIL® shield (for shielded cables)

Audio, Control, and Instrumentation Cable Non-Plenum

22 AWG stranded (7 x 30) shielded with 22 AWG stranded TC drain wire

- Polypropylene insulation
- Paper wrap
- Black PVC jacket
- Nominal capacitance: 111pF/m
- Nominal outer diameter: 0.138"

Part No.	Product No.	No. of Pairs	Description	1	5	10
733112	8451-100-10-	1	100' reel (black)	\$26.95	\$25.09	\$24.29
734063	8451-U500-10-	1	500' unreel box (black)	126.05	114.32	103.87
733139	8451-1000-10-	1	1000' reel (black)	200.99	190.48	184.90
734062	8451-U1000-10-	1	1000' unreel box (blk)	253.95	242.46	214.18
234061	8451-U1000-10-	1	1000' unreel box (blk)	202.85	Call	Call

22 AWG stranded (7 x 30) shielded with 24 AWG stranded TC drain wire

- Polypropylene insulation
- Nominal capacitance: 115pF/m
- Nominal outer diameter: 0.168"
- Color: chrome

Part No.	Product No.	No. of Pairs	Description	1	5	10
734180	8723-100-60-	2	100' reel	\$38.95	\$36.31	\$35.16
734181	8723-1000-60-	2	1000' reel	314.95	299.95	293.89
734184	8723-U500-60-	2	500' unreel box	134.65	132.71	126.08

18 AWG stranded (16 x 30) shielded with 20 AWG stranded TC drain wire

- Tinned copper, twisted pair
- Color: chrome
- Polyethylene insulation with chrome PVC jacket
- Nominal capacitance: 79pF/m
- Nominal outer diameter: 0.222"

Part No.	Product No.	No. of Pairs	Description	1	5	10
734185	8760-100-60-	1	100' reel	\$41.99	\$38.99	\$35.99
734187	8760-500-60-	1	500' reel	172.95	160.28	151.15
234187	8760-U1000-60-	1	1000' unreel box	279.45	Call	Call

22 AWG stranded (7 x 30) shielded with 22 AWG stranded TC drain wire

- Polyethylene insulation and chrome PVC jacket
- Nominal capacitance: 79pF/m
- Nominal outer diameter: 0.175"
- Color: chrome

Part No.	Product No.	No. of Pairs	Description	Price
234191	8761-U1000-60-	1	1000' unreel box	\$271.49

Paired Line Level Analog Audio Cable

16 AWG stranded (19 x 29) shielded with 18 AWG stranded TC drain wire

- Polyethylene insulation
- Nominal capacitance: 75pF/m
- Nominal outer diameter: 0.313"
- Color: chrome

Part No.	Product No.	No. of Pairs	Description	Price
234063	8719-U1000-60-	1	1000' unreel box	\$579.05

BELDEN Paired Cable (Continued)

Paired Line Level Analog Audio Cable (Continued)

*Web Code: HCS

14 AWG stranded (19 x 27) shielded with 16 AWG stranded TC drain wire

- Polyethylene insulation
- Nominal capacitance: 79pF/m
- Nominal outer diameter: 0.355"
- Color: chrome

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Part No.	Product No.	Pairs	Description	1	5	10
733172	8720-100-60-	1	100' reel	\$69.99	\$65.99	\$60.99
234065	8720-U500-60-	1	500' unreel box	416.99	Call	Call

20 AWG stranded (7 x 28) with 20 AWG stranded TC drain wire

- Polyethylene insulation with chrome PVC jacket
- Nominal capacitance: 89pF/m
- Nominal outer diameter: 0.204"
- Color: chrome

Part No.	Product No.	No. of Pairs	Description	Price
234196	8762-500-60-	1	500' reel	\$146.05
234198	8762-U500-60-	1	500' unreel box	137.79
234197	8762-U1000-60-	1	1000' unreel box	335.45

High-Temperature Control, Instrumentation Cables and Computer Cables

24 AWG stranded (7 x 32) shielded with 24 AWG stranded TC drain wire

- Semi-rigid PVC insulation
- Nominal DCR: 24Ω/m
- Nominal impedance: 75Ω
- Color: chrome

NEW
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9502 Series				9503 Series				9504 Series			
Part No.	Product No.	No. of Pairs	Description	Price	Part No.	Product No.	No. of Pairs	Description	Price	Part No.	Product No.
234074	9502-U1000-60-	2	1000' unreel box	\$272.79	232506	9503-1000-60-	3	1000' reel	378.05	234077	9503-U500-60-
232506	9503-1000-60-	3	1000' reel	378.05	234077	9503-U500-60-	3	500' unreel box	226.39	234078	9505-U500-60-
234077	9503-U500-60-	3	500' unreel box	226.39	234078	9505-U500-60-	5	500' unreel box	311.25	234079	9505-U1000-60-
234078	9505-U500-60-	5	500' unreel box	311.25	234079	9505-U1000-60-	5	1000' unreel box	589.69		

BELDEN Speaker Cables

Speaker Cables

*Web Code: JCS

These speaker cables are used to connect receivers or power amplifiers to speakers & are also used for the internal wiring of the speakers. Belden speaker cables utilize only high-conductivity copper produced by a process called Electrolytic Tough Pitch (ETP). This refining process produces a conductor that is 99.95% pure copper resulting in high-conductivity per ASTM B115.

Electrolytic Tough Pitch (ETP) High Conductivity Copper Speaker Cables

- 2-conductor stranded
- Clear PVC jacket
- Parallel (1) tinned (1) bare
- PVC insulation

18 AWG Stranded (16 x 30)

Part No.	Product No.	Description	Price
234080	9708-U1000-368-	1000' unreel box	\$339.85

14 AWG Stranded (19 x 27)

232602	9717-100-368-	100' reel	\$69.25
233429	9717-500-368-	500' reel	266.49
232611	9717-1000-368-	1000' reel	539.85

12 AWG Stranded (65 x 30)

232629	9718-100-368-	100' reel	\$128.19
232637	9718-500-368-	500' reel	547.75
232645	9718-1000-368-	1000' reel	1,341.25



Greater Savings Online

Find a large selection of price saving generic brands, house brands and factory overruns.

*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. [Details on page 159.](#)



Multi-Conductor Cable

★ Web Code: TCS

Multi-Conductor Audio, Control & Instrumentation Cables Non-Plenum

22 AWG stranded (7 x 30) shielded with 22 AWG stranded TC drain wire

- Polyethylene insulation
- Nominal capacitance: 75pF/m
- Nominal outer diameter: 0.199"
- Color: chrome

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Part No.	Product No.	Conductors	Description	1	5	10
733235	8771-100-60	3	100' reel	\$34.99	\$29.99	\$27.99
733243	8771-500-60	3	500' reel	199.95	193.95	186.95
234066	8771-U1000-60	3	1000' unreel box	298.95	281.99	265.41

22 AWG stranded (7 x 30) unshielded

- PVC insulation
- Color: chrome

NEW
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8442 Series



8443 Series



8444 Series



8445 Series

Part No.	Product No.	Conductors	Description	1	5	10
732996	8442-100-60	2	100' reel	\$23.25	\$21.09	\$19.16
733008	8442-500-60	2	500' reel	95.95	91.09	86.03
733016	8442-1000-60	2	1000' reel	176.49	168.59	156.60
734055	8442-U500-60	2	500' unreel box	101.95	98.85	95.66
734054	8442-U1000-60	2	1000' unreel box	179.95	160.95	141.25
234053	8442-U1000-60	2	1000' unreel box	139.39	133.48	123.82
733024	8443-100-60	3	100' reel	32.79	30.99	29.47
733032	8443-500-60	3	500' reel	132.95	125.99	119.02
733059	8444-100-60	4	100' reel	42.99	37.34	31.94
733067	8444-500-60	4	500' reel	185.95	165.95	149.95
734059	8444-U500-60	4	500' unreel box	189.95	169.95	149.95
733075	8444-1000-60	4	1000' reel	319.95	306.95	293.95
233074	8444-1000-60	4	1000' reel	223.55	211.02	195.74
733083	8445-100-60	5	100' reel	53.59	48.65	41.81
734061	8445-U500-60	5	500' unreel box	223.05	201.77	173.45
234059	8445-U1000-60	5	1000' unreel box	374.65	353.75	328.19

20 AWG stranded (7 x 28) shielded with 20 AWG stranded TC drain wire

- Polyethylene insulation & chrome PVC jacket
- Nominal capacitance: 89pF/m
- Nominal outer diameter: 0.218"
- Color: chrome



Part No.	Product No.	Conductors	Description	1	5	10
234253	8772-U500-60	3	500' unreel box	\$172.45	\$156.81	\$143.72
734253	8772-U1000-60	3	1000' unreel box	375.59	351.65	315.78

18 AWG stranded (16 x 30) shielded with 20 AWG stranded TC drain wire

- Polyethylene insulation
- Nominal capacitance: 79pF/m
- Nominal outer diameter: 0.246"
- Color: chrome



Part No.	Product No.	Conductors	Description	1	5	10
733201	8770-100-60	3	100' reel	\$59.99	\$54.99	\$49.99
234082	8770-U1000-60	3	1000' reel	497.09	457.48	422.27

Kynar™ Wire-Wrap Wire – 30 AWG

★ Web Code: NAC

- Assorted color coded insulation
- Color coded Kynar™ (Polyvinyl Fluoride) insulation
- Silver plated copper (solid conductor)
- Temperature: -40°C to +125°C
- Wire wrap tools, pg 144
- Used for prototyping
- Passes UL VW-1 flame test
- See pg 66 for sockets



22542

Part No.	Color	100 ft.	Part No.	Color	1000 ft.
22542	Blue	\$6.09	22551	Blue	\$43.49
22577	Black	6.99	22585	Black	46.95
22631	Red	6.29	22649	Red	43.49
22665	White	6.59	22673	White	43.49
22606	Green	6.29	22614	Green	43.49
22700	Yellow	6.09	22702	Yellow	43.49

Multicolor Flat Ribbon Cable – 28 AWG

- Standard 10-color repeat sequence
- Stranded copper wire
- 28 AWG (7 x 36)
- Voltage rating: 300V
- Temperature rating: -20°C to +80°C
- Prepackaged and priced in increments listed below

★ Web Code: WCF



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Part No.	Cross Ref. No.	Conductors	Length	1	25	50
639672	28RC10-10	10	10'	\$3.55	\$3.09	\$2.75
643508	28RC10-25	10	25'	10.19	9.15	8.25
643516	28RC10-100	10	100' reel	30.35	27.69	25.10
643532	28RC16-10	16	10'	5.25	4.99	4.75
643541	28RC16-25	16	25'	16.29	14.75	13.29
643575	28RC20-10	20	10'	8.25	7.75	7.25
643583	28RC20-25	20	25'	16.99	15.49	13.99
643591	28RC20-100	20	100' reel	62.95	58.75	52.45
643612	28RC25-10	25	10'	9.35	8.89	8.39
643621	28RC25-25	25	25'	22.99	21.84	16.38
643639	28RC25-100	25	100' reel	62.99	59.85	56.85
643655	28RC34-10	34	10'	10.99	10.49	9.99
643663	28RC34-25	34	25'	22.99	20.99	19.99
643671	28RC34-100	34	100' reel	98.55	93.58	88.90
643698	28RC40-10	40	10'	15.49	13.99	12.49
643701	28RC40-25	40	25'	49.49	36.49	27.37
643719	28RC40-100	40	100' reel	114.25	97.10	96.45
643735	28RC50-10	50	10'	17.99	15.99	14.49
643743	28RC50-25	50	25'	58.65	52.31	47.15
643751	28RC50-100	50	100' reel	163.15	146.75	132.11

Gray Flat Ribbon Cable – 28 AWG

- Single edge red stripe for pin 1 orientation
- Insulation: polyvinyl chloride (PVC)
- Temp. rating: -20°C to +80°C
- Stranded copper wire
- 28 AWG (7 x 36)
- Center spacing: 0.05"
- Voltage rating: 300V
- Prepackaged and priced in increments listed below

★ Web Code: WCF

NEW
MARKED IN PINK



Part No.	Cross Ref. No.	Conductors	Length	1	25	50
643794	171-10-10	10	10'	\$2.39	\$2.29	\$2.19
643807	171-10-25	10	25'	5.49	5.25	4.99
643815	171-10-100	10	100' reel	15.95	15.25	14.55
643831	171-16-10	16	10'	3.85	3.68	3.52
643840	171-16-25	16	25'	8.79	8.39	7.99
643858	171-16-100	16	100' reel	26.39	25.70	25.00
643874	171-20-10	20	10'	4.79	4.59	4.39
643882	171-20-25	20	25'	10.99	10.49	9.99
643891	171-20-100	20	100' reel	36.79	33.16	29.83
643911	171-25-10	25	10'	5.99	5.75	5.49
643920	171-25-25	25	25'	13.75	13.15	12.49
643938	171-25-100	25	100' reel	45.89	39.50	37.55
643962	171-26-10	26	10'	6.25	5.99	5.72
643971	171-26-25	26	25'	14.29	13.65	12.99
643989	171-26-100	26	100' reel	37.85	35.95	34.15
644033	171-34-10	34	10'	8.15	7.82	7.48
644041	171-34-25	34	25'	18.69	19.65	18.69
644050	171-34-100	34	100' reel	49.89	47.39	45.03
644076	171-37-10	37	10'	8.89	8.51	8.14
644084	171-37-25	37	25'	15.65	14.89	14.15
644092	171-37-100	37	100' reel	53.95	51.75	38.81
644113	171-40-10	40	10'	12.85	11.45	8.59
644121	171-40-25	40	25'	25.85	23.99	22.79
644130	171-40-100	40	100' reel	57.59	54.71	51.95
644156	171-50-10	50	10'	8.99	8.49	7.99
644164	171-50-25	50	25'	19.35	18.29	17.35
644172	171-50-100	50	100' reel	69.89	66.35	62.99
644199	171-60-10	60	10'	11.99	11.35	10.75
644201	171-60-25	60	25'	26.35	24.99	23.75
644210	171-60-100	60	100' reel	91.39	85.60	64.20

★ For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Details on page 159.

.100" (2.54mm) Flat Ribbon Cable

- 10-conductor 24 AWG stranded
- Insulation material: 7mm polyvinyl chloride (PVC) gray
- Rated temp.: 105°C • Rated voltage: 300V
- Dielectric strength: 2kV in 1 min.
- Insulation resis.: 100MΩ • Inductance: 1.45μH/m
- Capacitance: 31pF/m • Blue P/N = Limited Qty. Available

Part No.	Cross Ref.	Length	*Web Code: WBX	1	10	25
363813	H24G-10-10	10'		\$10.79	\$9.16	\$6.87
363821	H24G-10-25	25'		24.99	23.74	22.49

UL 1430 Stranded Hook-Up Wire

- Temperature rating: 105°C • Voltage: 300V • 18/20 AWG
- Average wall thickness: 0.016 • Sold in 100' rolls

Blue Part No. = Limited Quantity Available

Part No.	Gauge	Color	Strands	Dia. (in.)	Dia. (mm)	1	10	25
305015	18	Orange	7 x 26	0.082	2.083	\$23.95	\$20.35	\$15.26
304987	20	Gray	7 x 28	0.070	1.778	29.19	26.25	23.63
307897	20	Black	7 x 28	0.070	1.778	23.95	20.35	15.26
307900	20	Red	7 x 28	0.070	1.778	27.55	23.42	17.57

Solid Hook-Up Wire – 22 AWG

- Temperature range: -55°C to +105°C
- Passes UL VW-1 flame test • MIL-W-16878D type B
- For use with breadboards such as the JE20 series, pg 156

Part No.	Cross Ref. No.	Color	100 ft.	Part No.	Cross Ref. No.	Color	1000 ft.
36768	122BE/C	Blue	\$7.05	36776	122BE/K	Blue	\$65.35
36792	122BK-R/C	Black	6.59	36805	122BK/K	Black	49.99
36822	122G-R/C	Green	6.99	36840	122G/K	Green	54.49
36856	122R/C	Red	8.15	36864	122R/K	Red	52.49
36881	122W-R/C	White	7.09	36899	122W/K	White	54.45
36920	122Y/C	Yellow	6.59	36928	122Y/K	Yellow	49.99

UL 1007 Stranded Hook-Up Wire

300 Volts

- 80°C • PVC insulation
- Temperature range: -40°C to +80°C
- CSA: TR-64 • Sold in 100' rolls

Part No.	Cross Ref.	AWG	Color	1	5	10
126085	UL1007-22-BK-C	22 (7x30)	Black	\$4.95	\$4.55	\$4.29
126034	UL1007-22-RD-C	22 (7x30)	Red	4.95	4.59	3.95
126077	UL1007-22-WH-C	22 (7x30)	White	8.95	7.95	6.95
310852	UL1007-22-GR-C	22 (7x30)	Green	8.95	7.95	6.95
310878	UL1007-22-YL-C	22 (7x30)	Yellow	8.95	7.95	6.95
125840	UL1007-20-BK-C	20 (10x30)	Black	10.95	9.95	8.95
125795	UL1007-20-RD-C	20 (10x30)	Red	10.95	9.95	7.95
125831	UL1007-20-WH-C	20 (10x30)	White	10.95	9.95	8.95
310894	UL1007-20-GR-C	20 (10x30)	Green	10.95	9.95	8.95
310915	UL1007-20-YL-C	20 (10x30)	Yellow	10.95	9.95	8.95
310922	UL1007-20-BL-C	20 (10x30)	Blue	10.95	9.95	8.95
125787	UL1007-18-BK-C	18 (16x30)	Black	13.95	12.95	11.95
125736	UL1007-18-RD-C	18 (16x30)	Red	13.95	12.95	11.95
125752	UL1007-18-WH-C	18 (16x30)	White	13.95	12.95	11.95
310932	UL1007-18-GR-C	18 (16x30)	Green	13.95	12.95	10.95
310949	UL1007-18-YL-C	18 (16x30)	Yellow	13.95	12.95	11.95
310958	UL1007-18-BL-C	18 (16x30)	Blue	13.95	12.95	11.95

Twisted Paired Cable – 24 AWG

- PVC insulation • Reduced EMI
- Use for hook-up wire • 80°C
- Stranded tinned wire (7 x 32) • 300 V

Part No.	Cross Ref. No.	Color	100 ft.	Part No.	Cross Ref. No.	Color	1000 ft.
173164	224BW/C	Black/white	\$8.79	173172	224BW/K	Black/white	\$69.95
105912	224GW/C	Grn/white	8.79	105807	224GW/K	Grn/white	69.95
				173156	224RW/K	Red/white	76.95

Multiconductor Shielded Computer Communication Cable – 24 AWG

- Stranded copper wire, multi-colored insulation
- Insulated with polyvinyl chloride (PVC)
- Voltage rating: 300V
- Color: gray
- Drain wire
- 24 AWG (7 x 32 AWG)
- Shielded 100% w/ aluminum mylar
- Prepackaged and priced in increments listed below

Part No.	Cross Ref. No.	Conductors	Diameter	Length (ft.)	1	25
644391	SC4-100	4	0.20"	100	\$24.85	\$23.60
644404	SC4-1000	4	0.20"	1000	176.39	167.57
644412	SC9-25	9	0.23"	25	19.55	14.66
644421	SC9-100	9	0.23"	100	41.55	39.45
644439	SC9-1000	9	0.23"	1000	373.55	354.92
644447	SC15-25	15	0.28"	25	27.45	26.56
644455	SC15-100	15	0.28"	100	61.69	58.65
644463	SC15-1000	15	0.28"	1000	515.99	490.19
644471	SC25-25	25	0.37"	25	26.65	20.03
644480	SC25-100	25	0.37"	100	89.95	84.95

Modular Telephone Cable – 28 AWG

- Color coded conductors
- Flat modular cable
- 7 x 43 stranded
- PVC jacket

Part No.	Cross Ref. No.	Conductors	Length (ft.)	1	25	50
644674	300-840SL-1000	4	1000	\$51.99	\$47.81	\$45.42
644691	300-860SL-100	6	100	8.99	8.10	7.31
644703	300-860SL-1000	6	1000	67.55	64.13	60.92

Category 5e/5 Network Cable

- 4 twisted pairs
- Nominal OD.: 0.189"
- Insulation: polyethylene
- Nominal impedance: 100Ω
- UTP

Solid: uses modular plug P/N 119343, pg 48

Stranded: uses modular plug P/N 79281, pg 48

- Prepackaged and priced in increments listed below

24 AWG UTP Category 5 Enhanced – 350MHz

Part No.	Cross Ref. No.	Description	Color	Length (ft.)	1	25
644551	10X5-701TH-100	Solid	Gray	100	\$10.75	\$10.38
644560	10X5-701TH-1000	Solid	Gray	1000	115.65	103.19
645731	10X5-704TH-1000	Solid	Blue	1000	111.35	105.79
644586	10X5-801TH-100	Stranded	Gray	100	25.89	23.32
644594	10X5-801TH-1000	Stranded	Gray	1000	199.99	179.99
644615	10X5-804TH-100	Stranded	Blue	100	30.35	28.80
644623	10X5-804TH-1000	Stranded	Blue	1000	209.95	199.49
645765	10X5-805TH-1000	Stranded	Red	1000	191.99	172.79
645790	10X5-802TH-1000	Stranded	Black	1000	175.95	143.99

24 AWG UTP Category 5 – 100MHz

Part No.	Cross Ref. No.	Description	Color	Length (ft.)	1	25
644631	GTP501-4P-GR-25	Stranded	Gray	25	\$7.15	\$6.78
644640	GTP501-4P-GR-100	Stranded	Gray	100	27.09	25.85

Belden Bonded-Pair Cable Prep Tool

The bonded-pair cable preparation tool make it faster and easier to prepare cables for connector termination. This tool is ideal for use with Belden's IBDN's DataTwist® 350 bonded pair cables, providing special features that help separate twisted pairs. It can also be used to prepare any unbonded-pair cable for installation.

Part No.	Product No.	Description	1	25	50
1941241	1797B009	Bonded-pair cable prep tool	\$10.45	\$9.78	\$9.10

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RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 159.

BELDEN Enhanced Category 5e Cable

DataTwist® 5e+ UTP cable is engineered specifically to perform well beyond Cat 5e requirements per ANSI/TIA/EIA-568-B.2. Performance is guaranteed to 350MHz. This is the next generation of cable technology providing performance headroom, allowing the structured cabling system to deliver performance even when unforeseen circumstances arise.

PVC Jacket (CM) – Non-Plenum

Part No.	Product No.	Color	Length (ft.)	1	5	10
1942032	1500A0061000	Light blue	1000' reel	\$170.15	\$160.72	\$152.61
1942059	1500A0091000	White	1000' reel	170.15	160.72	152.61

Flamarrest Jacket (CMP) – Plenum

Part No.	Product No.	Color	Length (ft.)	1	5	10
1942104	15AD151000	Blue	1000' reel	\$341.25	\$322.29	\$305.19
1942121	15A0091000	White	1000' reel	341.25	322.29	305.19

DataTwist® 350 provides the user with superior electrical performance both “on-the-reel” and in the wall. Ensures superior installable performance by utilizing the patented bonded pair design. They exceed the full range of industry performance criteria, both electrically and physically. Datatwist 350 Enhanced Category 5e cable sets a new precedent for cabling with confidence

PVC Jacket (CM) – Non-Plenum

Part No.	Product No.	Color	Length (ft.)	1	5	10
1941857	1700A0061000	Light blue	1000' reel	\$196.39	\$171.49	\$157.21
1941881	1700A0091000	White	1000' reel	196.95	175.95	169.95

Flamarrest Jacket (CMP) – Plenum

Part No.	Product No.	Color	Length (ft.)	1	5	10
1941945	1701AD151000	Blue	100' reel	\$357.69	\$319.67	\$309.81
1941970	1701A0091000	White	1000' reel	410.69	387.84	364.29

* Web Code: LEL

JAMECO ValuePro 2-Conductor Power/Speaker Cable – 24 AWG

- Black wire with white polarity stripe
- Temperature rating: 20°C to 60°C
- Stranded copper wire (7 x 32)
- Operating voltage: 300V

* Web Code: VAL

JAMECO EXCLUSIVE

Part No.	Cross Ref. No.	Length	1	10	25
100280	224BK/C	100'	\$7.19	\$6.84	\$5.13
100299	224BK/K	1000'	49.99	44.89	39.59

JAMECO ValuePro RG Type Bulk Coaxial Cable

- For ethernet, oscilloscopes

RG58/U & RG58A/U (50Ω):

- Nominal capacitance: 27pF/ft.; center resistance: 10.4Ω/1000ft. @ 77°F

* Web Code: MCG

RG174/U (50Ω):

- Nominal capacitance: 30.8pF/ft.; center resistance: 97Ω/1000ft. @ 77°F

Part No.	Cross Ref No.	Type	Description	Length	1	25	50
644754	RG58/U-100	RG58/U	20 AWG solid	100'	\$14.39	\$13.67	\$12.95
644762	RG58/U-1000	RG58/U	20 AWG solid	1000'	130.19	123.65	117.47
644771	10X1-041TH-100	RG58A/U	20 AWG stranded	100'	23.75	22.49	21.35
644789	10X1-041TH-1000	RG58A/U	20 AWG stranded	1000'	187.49	178.19	169.19
644797	RG59/U-100	RG59/U	22 AWG solid	100'	16.05	15.30	14.51
644800	RG59/U-1000	RG59/U	22 AWG solid	1000'	90.89	90.50	89.99
644818	RG174/U-100	RG174/U	26 AWG stranded	100'	23.75	20.19	15.14
644826	RG174/U-1000	RG174/U	26 AWG stranded	1000'	256.69	244.78	183.59

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Computer Cables

Disk Drive & SCSI Cables



- 32918: 34-pin header socket ribbon cable for floppy to card
- 185076: 40-pin IDE hard drive cable to card
- 32715: 50-pin header socket ribbon cable SCSI-I

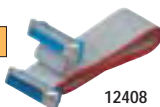
* Web Code: TAE

Part No.	Length	1	10	100
32918	23"	\$3.49	\$2.97	\$2.22
185076	14"	.95	.71	.53
32715	18" (Jameco VP)	4.29	3.68	2.76

Ribbon Cable Assemblies

- Metal connector
- 300V rating
- 105°C rating
- 28 AWG flat cable
- Tin-plated contacts

* Web Code: VAA



Part No.	Description	1	10	100
12408	4' DB25 M-F	\$5.25	\$4.49	\$3.37
208582	6' DB9 M-F (Jameco VP)	4.99	4.49	3.99

3.5" Disk Drive Power Adapter Cable

- IBM PC/XT and higher compatibles
- Allows connection of standard 3.5" disk drives to power supplies



Part No.	Length	AWG	1	10	100
28397	3.5"	22	\$4.55	\$3.95	\$3.45

AT/ATX Power Supply Extension Cable

- For use with ATX power supplies
- 20-pin ATX male and female connectors
- Color coded to ATX power supply



Part No.	Length	AWG	1	10	100
170238	15"	18	\$8.49	\$8.05	\$7.62

3.5" & 5.25" Disk Drive Power Splitters

- IBM PC/XT and higher compatibles
- Splits 4-line Molex male into 2 females



* Web Code: OAE

Part No.	Drive	AWG	Length	1	10	100
28354	5.25"	18	5"	\$3.15	\$2.67	\$2.04
277528	5.25"	20	6"	1.95	1.75	1.49
72304	3.5"	22	5"	3.59	2.80	2.10

Macintosh® Printer and Keyboard Cables



Part No.	Mfr.	Description	1	10	50
10604	Jameco VP	6' DIN8M	\$3.39	\$3.22	\$3.05
130025	Jameco VP	10' DIN8M	5.99	5.39	4.85
1944994	Various	40" DIN8M w/EMI	2.95	2.49	2.25

PS/2 Keyboard Extension Cables

- 6-pin mini DIN female-to-male
- Color: beige



Part No.	Description	1	10	100
28549	PS/2 6' non-coiled	\$4.55	\$4.35	\$3.95
111053	PS/2 10' non-coiled	5.49	4.67	3.50

JAMECO ValuePro Serial Null Modem Cables

- Molded type connectors
- Color: gray
- 181404/180698 Pin outs: 1 & 6-4, 2-3, 3-2, 4-6 & 1, 5-5, 7-8, 8-7
- 181438 Pin outs: 2-2; 3-3; 5 & 6-4; 7-5; 8-7; 20-6 & 8 (Serial printer null modem)
- 180582 Pin outs: 2-2; 3-3; 4-5 & 6; 5-7; 6 & 8-20; 7-8; (Serial printer null modem)
- 180742 Pin outs: 1-4 & 5; 2-2; 3-3; 4-6; 5-7; 6-20; 7-8; 8-8



Part No.	Mfr.	Description	1	10	50
181404	Jameco VP	6' DB9 F to DB9 F	\$5.69	\$5.09	\$4.59
180698	Jameco VP	10' DB9 F to DB9 F	6.79	6.09	5.49
181438	Various	6' DB25 M to DB9 F	5.89	5.58	5.30
180582	Jameco VP	10' DB25 M to DB9 F	6.69	6.05	5.45
180742	Jameco VP	10' DB25 F to DB9 F	7.39	6.65	4.99

* For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above


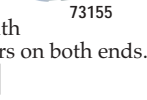
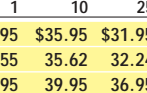
RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 159.

JAMECO ValuePro IEEE 488 Cables

A variety of cable lengths are offered to ensure that IEEE system requirements are met (20 meters max. length with a maximum of 15 devices). These cables are standard IEEE 488 with stackable 24-pin GPIB connectors on both ends.

• Color: gray

*Web Code: EAJ

Part No.	Description	1	10	25
73155	1 meter 	\$39.95	\$35.95	\$31.95
115782	2 meter 	39.55	35.62	32.24
115802	4 meter 	45.95	39.95	36.95



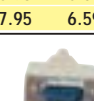
JAMECO ValuePro VGA Monitor Ext. Cables

- Extends VGA monitor cable; HDB15 male-to-female
- IBM PC/XT and higher compatibles

*Web Code: GAH

134042: HDB15 female w/ hex nuts and HDB15 male w/ thumbscrews



66165/148532: Thumbscrews on each end

Part No.	Description	1	10	100
134042	6' screws/hex nuts 	\$4.95	\$4.55	\$3.95
66165	6' thumbscrews 	7.95	6.95	6.09
148532	10' thumbscrews 	8.95	7.95	6.59

JAMECO ValuePro Monitor Cables


- Connects video card to VGA monitor
- IBM PC/XT and higher compatibles
- HDB15 male to male

66174

Part No.	Description	1	10	100
66174	6' monitor cable 	\$7.79	\$7.07	\$6.35
148523	10' monitor cable 	7.25	6.49	4.87

RGB Video Cable

- 75Ω coaxial cable
- Length: 6'
- Pin 1 red, pin 2 green, pin 3 blue, pin 14 white/black vertical, pin 13 gray horizontal
- Color: black
- 5 BNCs to HDB15-pin male

Part No.	Description	1	10	25
73648	RGB video cable 	\$19.95	\$16.99	\$12.74

JAMECO ValuePro Switch Box Adapter Cables

6-pin mini DIN

177261: Male to male non-coiled cable for P/N 79177 switch box, pg 125

174772: Male to male

174908/205655: M-M non-coiled

112628: Male to male non-coiled cable for P/N 79177 switch box, pg 125


*Web Code: HAE

Part No.	Length	Color	1	10	50
177261	2'	Gray	\$2.95	\$2.55	\$1.89
174772	6'	Black	3.95	2.95	2.49
174908	6'	Gray	5.75	5.15	4.65
112628	10'	Beige	7.95	7.25	5.95
205655	25'	Beige	8.95	7.95	5.96

JAMECO ValuePro DA15 Extension Cables

- Molded connectors
- Straight through
- Thumbscrews
- Color: gray

181286

Part No.	Description	Length	1	10	100
181286	DA15 M-M 	6'	\$6.59	\$5.94	\$5.34
181359	DA15 M-F	6'	5.49	4.95	4.45

JAMECO ValuePro DB9 Extension Cables

- All lines connected straight through

132346

132346/196366:

• DB9 female to DB9 female cable with thumbscrews



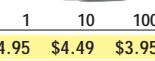
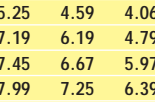
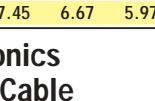

199639/25701/148516:

• DB9 male to DB9 female cable with thumbscrews

181666:


25701

• DB9 male to DB9 male cable

Part No.	Description	1	10	100
132346	6' F-F 	\$4.95	\$4.49	\$3.95
199639	6' M-F (blk) 	5.25	4.59	4.06
25701	6' M-F 	7.19	6.19	4.79
196366	10' F-F 	7.45	6.67	5.97
148516	10' M-F 	7.99	7.25	6.39
181666	10' M-M 	7.45	6.67	5.97

DB25-to-Centronics Parallel Printer Cable

- Molded and fully shielded DB25 male and 36-pin Centronics male connector
- IBM PC/XT and higher compatibles


Part No.	Description	1	10	100
28716	6' straight 	\$4.95	\$4.75	\$4.45

JAMECO ValuePro DB9-to-DB25 AT-Adapter Serial Cables

- For DB9 serial ports which need to be converted to DB25 serial
- AT and compatibles
- Molded DB9 female to DB25 male connectors

NEW
MARKED IN PINK
QUANTITY SAVE

31722


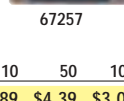
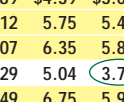
Part No.	Description	1	10	100
109584	1' serial, beige 	\$3.49	\$2.95	\$2.49
189333	3' serial, beige	3.95	3.39	2.55
31722	6' serial, beige	4.95	4.49	3.95
1945575	6' serial, gray	4.49	3.95	2.95
155522	10' serial, beige	5.95	4.95	4.25

JAMECO ValuePro DB25 Extension Cables

- Use to lengthen your standard serial cable or for switch box applications
- All lines connected straight through
- Thumbscrews to secure connectors
- Color: gray; except P/Ns 174001/175291: black*

QUANTITY SAVE

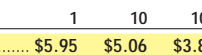
67257

Part No.	Description	1	10	50	100
174001	3' M-M 	\$5.39	\$4.89	\$4.39	\$3.09
401138	3' M-M	6.39	6.12	5.75	5.46
65788	6' M-M	7.79	7.07	6.35	5.87
39538	10' M-M	6.95	6.29	5.04	3.78
179979	15' M-M	8.35	7.49	6.75	5.95
67070	25' M-M	12.39	11.15	8.92	6.69
180435	50' M-M	14.95	13.49	10.79	8.97
164291	3' M-F 	4.75	4.29	3.89	2.95
175291	3' M-F	3.75	3.29	2.89	2.39
67257	6' M-F	8.55	7.65	6.95	6.20
39511	10' M-F	9.59	8.63	8.20	7.79
177279	15' M-F	9.49	8.55	7.69	6.25
101996	25' M-F	12.49	11.49	10.49	8.49
181201	50' M-F	19.39	16.32	12.25	9.30
224267	6' F-F 	9.35	8.45	6.75	5.05

JAMECO ValuePro Straight Through Cable

- Molded connectors
- Color: gray
- Weight: 0.9 lbs.



Part No.	Description	1	10	100
181295	6' DC37 M-F 	\$5.95	\$5.06	\$3.80

9-Pin Test Cable

- DB9 M to DB9 F (6')
- Pin outs: 1-3, 2-2, 4-5

QUANTITY SAVE




Part No.	Description	1	10	100
162915	DB9 male to DB9 female ... 	\$3.35	\$2.95	\$2.19

JAMECO ValuePro USB-to-DB9 Serial Adapter

- USB-A to DB9 male
- Length: 13"
- Supports automatic handshake mode
- Over 230kbps data transfer rate
- 96 byte buffer each for upstream and downstream data flow
- Works with cellphones, PDA, digital cameras, modems and ISDN terminal adapters

*Web Code: NAV




Part No.	Description	1	10
387954	USB-A to DB9 	\$18.95	\$16.95

High Speed USB Extender Cable

An active device where the USB signals going in and out of the extension cable are buffered to assure signal quality and adherence to electrical and timing specs.



- Full compliance with USB spec Ver. 2.0/1.1
- Supports 480Mbit/s high speed 12Mbit/s full speed, and 1.5Mbit/s low speed serial data communication
- One upstream port and one downstream port
- Windows® 98 & higher or Mac® OS compatible
- Supports plug & play and hot-swap functions
- USB-A male to USB-A female
- Bus power mode • Length: 16 ft.

Part No.	Product No.	Description	1	10
1919174	10U2-24116	Extender cable 	\$19.95	\$18.95

USB to Centronics Printer Cable

- Full compliance with USB spec Ver. 1.
- USB-A male to 36-pin male centronics connector
- Supports true bidirectional communication
- Applicable to standard and bidirectional printers

NEW
MARKED IN PINK



Part No.	Description	1	10
155352	6' USB cable 	\$12.95	\$11.49

USB Gender Adapter

- USB-A female to USB-A female
- Dimensions: 1.5"L x 0.7"W

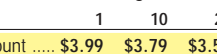


Part No.	Description	1	10	25
316806	USB-A female 	\$2.95	\$2.73	\$2.60


JAMECO ValuePro USB-A Cable w/ Bracket

- Supports data transfer rates of 12Mbps
- Allows connection of two devices
- Dual USB-A female connectors • 8" long



Part No.	Description	1	10	25
144813	Female panel mount 	\$3.99	\$3.79	\$3.59

*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

 RoHS compliant product  This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. [Details on page 159.](#)

JAMECO ValuePro

USB 2.0 Cables



- Higher transfer rate up to 480Mbps
- Backward compatible w/ USB 1.1 products

USB-A Male to USB-A Male

*Web Code: NAV

Part No.	Description	1	10	25
326474	3' cable beige	\$1.99	\$1.79	\$1.35
229682	6' cable beige	2.75	2.60	2.59
222033	6' cable black	1.79	1.65	1.49
229690	10' cable beige	4.09	4.05	3.04
222050	15' cable black	2.85	2.59	2.49
229577	15' cable clear	3.45	3.11	2.34

USB-A Male to USB-B Male

Part No.	Description	1	10	25
229711	3' cable beige	\$1.65	\$1.45	\$1.35
222608	3' cable black	1.55	1.39	1.29
229585	3' cable clear	1.85	1.79	1.39
229730	6' cable beige	1.65	1.49	1.39
222010	6' cable black	1.65	1.49	1.39
229594	6' cable clear	1.89	1.71	1.60
229738	10' cable beige	2.09	1.93	1.82
222018	10' cable black	2.35	2.19	2.05
229607	10' cable clear	2.29	1.95	1.75
229762	15' cable beige	2.85	2.59	2.49
222026	15' cable black	2.85	2.59	2.49
229614	15' cable clear	3.15	2.81	2.16

USB-A Male to USB-A Female

Part No.	Description	1	10	25
326482	3' cable beige	\$1.55	\$1.39	\$1.29
229771	6' cable beige	1.99	1.75	1.32
222068	6' cable black	1.99	1.79	1.67
229622	6' cable clear	1.65	1.40	1.05
229789	10' cable beige	2.15	1.90	1.80
222076	10' cable black	2.69	2.40	2.16
229797	15' cable beige	2.95	2.77	2.63
222084	15' cable black	3.55	3.24	3.11
229649	15' cable clear	3.05	2.90	2.75

JAMECO ValuePro

USB 2.0 Cable

- For use w/ digital cameras, memory card readers, etc.
- Color: black • Length: 6'

Part No.	Product No.	1	10
673694	USB-A to mini 5-pin	\$2.75	\$2.35

USB 2.0 Host to Host Link Adapter

- Easy file sharing and data transfer between 2 or 3 PCs via USB
- Suitable for mobile PC and SOHO environment
- Single chip ASIC high speed USB host to host communication
- Dual data buffer supports two-way transfer
- High speed performance with data transfer rate of over 15Mbytes/sec. • Length: 6 ft.
- Full compliance with USB specification V1.1 and 2.0
- Advanced power management mechanism includes suspend-resume and remote wake-up functions

Requirements: Pentium® 233MHz or faster, 64MB of RAM, USB 2.0 port, Windows® 98SE/ME/2000/XP

Part No.	Product No.	1	10
1944548	AN2210	\$28.69	\$27.54

Vista USB Link Adapter

This Vista™ USB link adapter is specially designed to work with Windows Easy Transfer, a new feature on Windows® Vista. Users can transfer accounts, files and program settings directly from one PC to another.

- Easy file sharing and data transfer between 2 PCs via USB port • Length: 6 ft.
- Supports data transfer up to 480Mbps
- Supports two-way data transfer
- Full compliance with USB specification V2.0 and 1.1
- Supports suspend & resume power management

Requirements: Intel® Pentium® 1GHz or faster, 128MB RAM or higher, USB 2.0 port, Windows® XP/Vista

Part No.	Product No.	1	10
1944556	AN2230	\$28.69	\$27.54

JAMECO ValuePro

IEEE Firewire Cables



- IEEE-1394 compliant
- UL approved
- Male to male
- Length: 6'

Clear

*Web Code: FAE

Part No.	Product No.	Description	1	10	25
1943633	10E4-940-06-C	9-pin/4-pin	\$16.19	\$15.29	\$14.39
1944126	10E4-960-06-C	9-pin/6-pin	17.05	16.73	15.79
1944134	10E4-991-06-C	9-pin/9-pin	17.05	16.73	15.79

Black

Part No.	Product No.	Description	1	10	25
175821	10E3-04106	4-pin/4-pin	\$6.45	\$5.89	\$5.29
175839	10E3-02106	4-pin/6-pin	5.59	4.76	3.57
175848	10E3-01106-R	6-pin/6-pin	5.59	5.05	4.55

JAMECO ValuePro

DVI Cables

Digital Video Interface (DVI) provides a high-speed digital connection for visual data types that are display technology independent. The DVI specifications meet the needs of all segments of the PC industry and will enable these different segments to unite around one monitor interface standard.

1944257: DVI male analog to HD15 male VGA
1944265/320346: DVI male digital to DVI male digital

Part No.	Description	1	10	25
1944257	DVI to VGA 2 meters	\$16.19	\$15.29	\$14.39
320346	Single link 2 meters	9.95	8.95	7.95
1944265	Dual link 3 meters	17.99	16.99	15.99

We're Listening to What You Need

Our goal is to provide you with more of what you want. Let us know how we can better serve your electronic needs. Send feedback to Feedback@Jameco.com.

JAMECO ValuePro

HDMI Cables & Adapters

High definition multimedia interface (HDMI) is the industry supported, uncompressed, all digital audio/video interface. HDMI provides an interface between any audio/video source, such as set-top box, DVD players, A/V receivers, audio/video monitors, DTV, HDTV, and plasma monitor.



Male to Male

*Web Code: DEM

Part No.	Product No.	Description	1	10	25
1944142	10HM-01128-01	1 meter	\$15.29	\$14.45	\$13.59
1944151	10HM-01128-02	2 meters	21.59	20.39	19.19
1944169	10HM-01128-05	5 meters	26.99	25.49	23.99

Male to DVI-D Single Link

1944177	10HM-15128-01	1 meter	\$15.29	\$14.45	\$13.59
1944185	10HM-15128-02	2 meters	14.39	13.59	12.79
1944193	10HM-15128-05	5 meters	26.99	25.49	23.99

HDMI to DVI Video Adapters

1944206	30HM-15228-MO	HDMI M/DVI F	\$17.09	\$16.15	\$15.19
1944214	30HM-15328-MO	HDMI F/DVI M	17.09	16.15	15.19

HDMI Gender Changers

1944222	30HM-01100	M to M	\$8.99	\$8.49	\$7.99
1944231	30HM-01200	F to M	8.99	8.49	7.99
1944249	30HM-01400	F to F	8.99	8.49	7.99

JAMECO ValuePro

Category 6 Network Cables

- With RJ45 plugs and molded strain reliefs
- Assembled using ETL verified 24AWG stranded cable
- Gold over nickel contacts
- Exceeds performance levels as specified in TIA/EIA 568B.2-1 category 6

*Web Code: BBK

Part No.	Length	Color	1	10	50
219707	3 ft.	Gray	\$2.39	\$1.90	\$1.54
219715	7 ft.	Gray	3.99	3.87	3.68
219723	14 ft.	Gray	6.59	6.37	6.05
219731	25 ft.	Gray	9.95	8.95	7.95
219740	50 ft.	Gray	13.49	12.39	10.59
219854	3 ft.	Blue	2.79	2.39	1.78
219862	7 ft.	Blue	3.99	3.87	3.68
219871	14 ft.	Blue	6.05	5.45	5.05
219889	25 ft.	Blue	8.59	7.94	6.92
219897	50 ft.	Blue	12.89	11.76	10.03
220003	3 ft.	White	2.79	2.39	1.79
220011	7 ft.	White	3.99	3.87	2.90
219900	3 ft.	Red	2.79	2.39	1.79
219918	7 ft.	Red	3.99	3.87	3.68
219934	25 ft.	Red	8.59	7.94	5.95
219942	50 ft.	Red	13.65	11.76	10.88
219803	3 ft.	Green	2.79	2.37	1.78
219811	7 ft.	Green	3.99	3.87	2.90
219820	14 ft.	Green	6.59	5.60	4.20
219766	7 ft.	Black	3.99	3.87	3.68
219774	14 ft.	Black	6.75	5.55	5.14
219782	25 ft.	Black	8.59	7.94	6.92
219969	7 ft.	Yellow	3.99	3.87	3.68
219993	50 ft.	Yellow	16.99	14.35	12.44

*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 159.

Modular Plugs, Jacks & Accessories

3 LEVELS OF SAVINGS
FRANCHISE SOURCED
GENERIC BRANDS
HOUSE BRANDS
FACTORY OVERRUN

Category 5e Network Cables

- UTP • 350 MHz
- 8P8C • 4 pair
- 24 AWG (7 x 43) stranded
- Color coded for easy wire tracing
- "Snagless" boot
- High-flexibility

QUANTITY SAVE

***Web Code: CAE**

Part No.	Length	Color	1	10	100
168292	3 ft.	Gray	\$1.79	\$1.49	\$1.12
168305	7 ft.	Gray	3.59	3.11	2.87
168313	15 ft.	Gray	7.49	6.23	5.67
168321	25 ft.	Gray	7.99	6.79	6.39
201777	3 ft.	Red	1.79	1.49	1.39
201785	7 ft.	Red	3.49	3.00	2.77
201793	15 ft.	Red	6.35	5.40	4.05
201806	25 ft.	Red	9.59	8.15	6.11
201697	3 ft.	Black	1.79	1.49	1.39
201700	7 ft.	Black	3.49	3.00	2.77
201718	15 ft.	Black	7.49	5.23	5.09
201726	25 ft.	Black	9.59	8.15	7.67
201734	3 ft.	Blue	1.79	1.49	1.39
1945381	5 ft.	Blue	2.49	1.95	1.49
201742	7 ft.	Blue	3.59	3.11	2.87
1945401	10 ft.	Blue	4.95	3.95	2.95
201751	15 ft.	Blue	7.49	6.23	5.67
201769	25 ft.	Blue	8.79	7.47	5.61
201814	3 ft.	Yellow	1.79	1.49	1.12
1945372	5 ft.	Yellow	2.49	1.95	1.49
201822	7 ft.	Yellow	3.95	3.59	3.11
1945399	10 ft.	Yellow	4.95	3.95	2.95
201831	15 ft.	Yellow	7.49	6.23	5.67
201849	25 ft.	Yellow	8.15	6.93	5.20

Cat 5e/6 Network Crossover Cables

- Connect 2 PCs without a hub
- 24AWG (7 x 43) stranded
- Strain relief RJ45 connectors
- 4-pair • 8P8C • UTP

***Web Code: CAE**

Part No.	Length	Description	1	10	100
681109	3 ft.	Cat 5e gray	\$2.95	\$2.49	\$1.95
302041	7 ft.	Cat 5e gray	3.75	3.39	2.54
681117	7 ft.	Cat 5e gray	3.25	2.95	2.75
685812	7 ft.	Cat 5e yellow	3.25	2.95	2.75
169261	10 ft.	Cat 5e gray	9.25	8.31	6.23
681096	7 ft.	Cat 6 Gray	6.95	5.95	4.95

"EZ" RJ45 Connector

Strip the wire and insert into the plug & pull out the wire on the other side. This ensures correct conductor order and uniformity in crimping. No wire bar and no wasted cable.

- For solid or stranded wire • 8P8C plug

Part No.	Product No.	1	10	100	250
158115	RJ45 (8P8C)	\$1.75	\$1.58	\$1.42	\$1.25

Professional Modular Connector Crimping Tool

- 6mm and 12mm stripping guide
- Spring return action
- Crimp modular plugs without changing dies
- Crimps 10P10C, RJ45: 8P8C, RJ11 and RJ12: 6P6C, and 4P4C
- Insulated handles • Size: 8.2"L • Weight: 1.2 lbs.

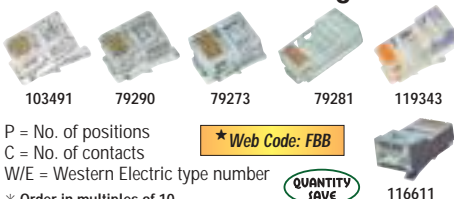
Part No.	Product No.	1	10	25
181148	HT2000	\$54.95	\$49.49	\$44.55

♣ This product typically requires one to two additional days to ship. Please request "ship partial" if you prefer the other products on your order to ship immediately. A separate shipping charge would apply.

***For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above**

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. [Details on page 159.](#)

Modular Plugs



P = No. of positions
C = No. of contacts
W/E = Western Electric type number
* Order in multiples of 10

***Web Code: FBB**

QUANTITY SAVE

Part No.	Description	W/E	1	10	100	1000
103491	4P4C (handset)	616	* \$.132	* \$.117	* \$.088	
79290	6P4C (RJ11)	623	* .142	* .117	* .088	
79273	6P6C (RJ11)	623	.25	.22	.195	.18
79281	8P8C (RJ45) (for stranded wire)	641	.47	.38	.28	.25
119343	8P8C (RJ45) unshielded (for solid wire)	—	.45	.424	.338	.264
116611	8P8C (RJ45) shielded	—	1.09	.99	.89	.79
116602	8P8C (RJ45) shielded (for solid wire)	—	.99	.79	.65	.49
180646	10P10C (for stranded wire)	—	1.69	1.08	.86	.65

8-Position Modular Jacks & Plugs

Single Port Modular Jacks

- Meets or exceeds FCC part 68 rules and regulations
- Current rating: 1.5A max. @ 25°C (derated)
- Voltage rating: 150VAC max.
- Housing: polyester 94V-0 rated
- Dielectric withstanding voltage: 1000VAC_{RMS}
- Contact: 0.014" thick phosphor bronze with 50µ" gold in contact area and 150µ" tin-lead on solder tails over nickel

Shielded – Side Entry

***Web Code: FBB**

Part No.	Product No.	Description	1	25	50
524453	555153-1	Low profile	\$1.35	\$1.18	\$.93

Unshielded – 12.6mm Height

524488	555416-1	Top entry	\$.62	\$.59	\$.57
524461	555164-1	Side entry	.67	.65	.61
958366	5555164-1	Side entry	.69	.534	.525

Unshielded Modular Plug

- Housing: polycarbonate UL94V-0 rated
- Current rating: 15A @ 150VAC
- Terminals: 0.014" thick phosphor bronze under-plated with 100µ" nickel, plated with 50µ" gold in contact region and gold flash on terminal
- Dielectric withstanding voltage: 1000VAC
- Insulation resistance: 5000MΩ • Meets FCC rules and regulations part 68 and TIA/EIA 568A

Part No.	Product No.	Description	1	25	50
524496	5-557315-3	Round solid	\$.53	\$.50	\$.39

AMP Modular Jack

- Housing: PBT polyester, black
- Top entry, flangeless w/ panel stops
- Terminal/plating: phosphor bronze w/ 50µ" gold in localized area, 150µ" matte tin in solder area.

* Order in multiples of 5

Part No.	Product No.	Pos./Contact	1	5	10
956176	5520258-3	6P6C	* \$.56	* \$.509	

Modular Jacks



- Voltage rating: 150VAC max. • PC mount
- Contact current rating: 1.5A max. @ 25°C
- Durability: 750 mating cycles

*W/E = Western Electric type number

***Web Code: NEL**

Part No.	Description	W/E	1	10	100
115128	4P4C (handset) 0.395" W	—	\$.45	\$.40	\$.35
151766	6P4C (RJ11) side flange	—	.55	.46	.35
115837	6P6C (RJ11) side flange	—	.81	.74	.65
204178	6P6C (RJ11) dual	—	1.49	1.35	1.01
124039	6P6C (RJ11) 6" leads	—	1.25	1.15	.99
115844	8P8C (RJ45)	641	.56	.51	.47
204215	8P8C (RJ45) 0.81" L	—	1.35	1.26	.94
203449	8P8C (RJ45) shielded Pin spacing "A" = 0.055"	—	1.39	1.25	1.09

Great Prices on Factory Overruns from Other Mfrs.

1537416	8P8C (RJ45) low profile	—	\$.59	\$.45	\$.35
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Telco Adapters



***Web Code: MCE**

Part No.	Fig.	Prod. No.	Description	1	10	100
614977	1	45-5110	8C RJ45 to DB9 M	\$3.35	\$2.84	\$2.13
615005	2	45-5113	8C RJ45 to DB9 F	2.45	2.31	1.96
615021	3	45-5123	8C RJ45 to DB25 M	2.95	2.36	1.95

RS-232-to-RJ11/RJ45 Modular Jack Adapters



Change your RS-232 port to an RJ11 or RJ45 modular jack. This will allow you to use modular phone cable rather than RS-232 cable, thus simplifying networking applications. Comes complete with all necessary wiring and hardware.

Part No.	Description	1	10	100
66181	DB9 M to RJ11 (6P6C)	\$2.59	\$2.35	\$2.09
66191	DB9 M to RJ45 (8P8C)	2.89	2.65	2.35
114738	DB9 F to RJ11 (6P4C)	2.35	2.15	1.91
66203	DB9 F to RJ11 (6P6C)	2.79	2.55	2.29
66212	DB9 F to RJ45 (8P8C)	2.99	2.69	2.45
66229	DB25 M to RJ11 (6P6C)	2.95	2.35	1.99
66237	DB25 M to RJ45 (8P8C)	2.99	2.69	2.45
66253	DB25 F to RJ45 (8P8C)	2.89	2.59	2.29

Network Connector CAT 5e Coupler

- RJ45 female

Part No.	Product No.	1	10	100
615048	45-5439	\$5.39	\$5.05	\$4.79

Keystone-Type Wall Plate

• Size: 2.8"W x 4.5"H

*Web Code: RBH

Part No.	No. of ports	Color	1	10	100
212986	3	White	\$1.29	\$1.21	\$.91



Keystone-Type RJ45 & RJ11 Jacks

Modular Punchdown Type

212944

- Removable jacks used in wall plates
- CAT 5e classification
- Punchdown type wiring connections with color coding
- Size: 0.57"W x 0.63"H x 1.23"D

*Web Code: MBV

213517



Part No.	Description	Color	1	10	100
195630	8P8C (RJ45)	Black	\$4.95	\$4.45	\$3.35
212944	8P8C (RJ45)	White	3.75	3.19	2.39
213517	6P6C (RJ11)	White	3.75	3.20	2.40

RJ45 Plug Cap (Boot)

- Round strain relief

*Web Code: JBG



• Order in multiples of 10

Part No.	Color	10	100	500	1000
204362	Blue	\$.14	\$.12	\$.098	\$.073

Modular Couplers and Adapters



Fig. 1
W: 1.5"
H: 0.9"
D: 0.7"



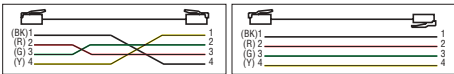
Fig. 2
W: 1.7"
H: 1.0"
D: 0.9"

JAMECO
EXCLUSIVE

*Web Code: XAH

Style 1 Reverse wiring for telephone systems

Style 2 Straight wiring for networking/printer sharing



Part No.	Description	Fig.	1	10	100
71757	6P6C modular coupler, Style 1, RJ11	1	\$1.05	\$.95	\$.86
135087	6P6C modular coupler, Style 2, RJ11	1	1.09	.93	.70
118501	8P8C modular coupler, Style 1, RJ45	1	1.69	1.44	1.08
135079	8P8C modular coupler, Style 2, RJ45	1	1.39	1.25	1.15
153023	8P8C modular coupler, Style 2 (for CAT 5) RJ45	2	7.99	7.19	6.49

Modular Jack Boxes

Fig. 1
W: 2.0"
H: 2.2"
D: 0.9"



Fig. 2
W: 1.5"
H: 2.4"
D: 1.1"



Fig. 3
W: 2.4"
H: 2.4"
D: 1.1"



*Web Code: UAM

Part No.	Description	Fig.	1	10	100
103464	6P4C adhesive jack RJ11 (beige)	1	\$1.39	\$1.19	\$1.09
71984	6P6C adhesive jack RJ11 (beige)	1	1.39	1.19	.99
71651	8P8C adhesive jack RJ45 (beige)	1	1.95	1.65	1.24
213032	8P8C adhesive jack RJ45 (single, white) (CAT 5e)	2	3.49	2.99	2.69
213049	8P8C adhesive jack RJ45 (dual, white) (CAT 5e)	3	4.55	3.87	2.90

Modular Telephone/Printer Sharing Cables (Gray)

- RJ11 – 6P2C/6P4C for telephone or network
- RJ11 – 6P6C for telephone or printer sharing
- RJ45 – 8P8C for telephone or modem-dial-up use



QUANTITY SAVE Low Cost Data/Phone Cables

Style 1 – Reverse wiring for telephone systems



Style 2 – Straight wiring for networking/printer sharing



*Web Code: EBF

Part No.	Conn. Style	Type	Length	1	10	100
196227	1	RJ11-6P4C	7ft.	\$1.75	\$1.49	\$1.29
115554	2	RJ11-6P4C	7ft.	1.75	1.49	1.29
115545	1	RJ11-6P4C	25ft.	3.25	2.99	2.69
201232	2	RJ11-6P4C	35ft.	2.49	1.75	1.25
115588	1	RJ11-6P6C	7ft.	1.75	1.55	1.35
115617	2	RJ11-6P6C	7ft.	2.19	1.99	1.79
115677	2	RJ45-8P8C	7ft.	1.95	1.89	1.75

† Beige

Tape Wire Marker

- For marking wires with numerical sequence
- Self adhesive tapes numbered 0-9
- Size: (tape) 96"L x 0.25"W



Part No.	Description	1	10
159231	Numerical tape dispenser	\$38.19	\$36.95

Nylon Cable ID Ties and Tabs

- Clear ID tab (0.98" x 0.31")
- Sold in increments of 10



Part No.	Size	10	100	1000
71062	4.0"L x 0.1"W	\$.29	\$.27	\$.23

Cable Tie Tool

- 2.5 - 5mm width (of cable)
- Tension adjustable
- Twist to cut surplus tie end
- Spring return action • Metal



Part No.	Cross Ref. No.	1	5	10
182298	0302TG-7	\$19.15	\$17.99	\$16.86

Cable Tie Mounts and Cable Clamps

- Tie mount and screw tab cable clamps
- Material: UL approved nylon 66, 94V-2
- Order in multiples of 10

*Web Code: FBE



Part No.	Cross Ref. No.	Description	10	100	1000
182942	0505HC-101S	4-way cable tie mount, self adhesive, .75"D	\$.096	\$.086	\$.077
171214	HC-100	4-way cable tie mount, self adhesive, use w/ 0.1"W max., 0.5" square	.156	.113	.11
71408	HC-101	4-way cable tie mount, self adhesive, use w/ 0.1"W max., 0.9" square	.185	.164	.134
71395	HC-102	4-way cable tie mount, self adhesive, use w/ 0.2"W max., 1.1" square	.25	.19	.15
71386	HC-103	4-way cable tie mount, self adhesive, use w/ 0.4"W max., 1.1" square	.34	.30	.23
70595	HC-0	4-way cable tie, screw type, use w/ 0.2"W max., 0.8"L x 0.4"W	.194	.086	.051
182301	0510HC-2	Cable tie mount, 1/4" screw hole, 0.5"D	.17	.145	.109
173761	HC-1	Cable tie, saddle type, 0.6"L x 0.4"W	.267	.115	.083
182334	0520FC-1	Cable tie mount, self adhesive, 0.1"D	.19	.17	.12
173737	UC1	Cable clamp for 1/4" cable	.117	.097	.08

Nylon Cable Ties

Standard

70561

- Cable ties made from UL approved Nylon 6.6
- Temperature range: -40°C to +85°C
- Flammability rating: UL 94V-2
- Color: clear (except P/N 182677: white)
- Order in multiples of 100

*Web Code: QAV



Part No.	Tensile Strength (lbs.)	Dimensions (L" x W")	100	1000
70561	18	3.1 x 0.10	\$.03	\$.025
126544	18	4.0 x 0.10	.025	.017
182677	18	4.75 x 0.13	.031	.026
182651	18	5.5 x 0.13	.11	.10
139150	18	8.0 x 0.10	.088	.059
182669	18	8.0 x 0.13	.075	.05
182685	18	8.0 x 0.18	.036	.033
70907	40	5.8 x 0.10	.04	.03
190756	40	10.0 x 0.14	.127	.088
190772	40	11.0 x 0.19	.127	.088
190764	40	13.0 x 0.14	.127	.088

* White

Weather Resistant

104142

- Contains Carbonate A for greater resistance to ultraviolet rays in outdoor use
- Order in multiples of 100



Part No.	Tensile Strength (lbs.)	Dimensions (L" x W")	100	1000
139125	18	3.0 x 0.90	\$.06	\$.04
104142	18	4.0 x 0.10	.044	.029
104134	40	5.8 x 0.10	.078	.051
190782	40	8.0 x 0.13	.108	.081
190800	40	10.0 x 0.14	.14	.11
190802	40	13.0 x 0.14	.188	.179

Cable Tie Assortments

- Tensile strength: 18-50 lbs.

145701: 1000 pcs. (4"L); 10 colors

150412: 500 pcs. (4"L); 300 pcs. (8"L); 50 pcs. (11"L), 5 colors



Part No.	Wt. (lbs.)	1	10	50
145701	0.7	\$9.99	\$8.99	\$7.40
150412	1.7	17.95	16.95	15.95

*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 159.

Heat Guns & Heat Shrink Tubing

3 LEVELS OF SAVINGS
FRANCHISE SOURCES
GENERIC HOUSE BRANDS
FACTORY OVERRUN

RIP-TIE Lite & Wrap Strap

- Patented one end permanently attaches to the cable and the other end has a pull tab
- Durable – made of the best quality hook and loop touch fastener tested for 10,000 closures with no loss of holding strength
- Reusable and permanent • 10 per pack



Part No.	Description	1	10
700699	1/2"W x 8"L, rainbow	\$8.75	\$8.55
700701	1/2"W x 8"L, black	8.75	8.55
744624	1/2"W x 10"L, rainbow	12.25	10.95
744632	1/2"W x 10"L, black	12.25	11.99

RIP-TIE EconoCinch CableTie

The loop lock acts like a pulley, giving you leverage to pull the strap as tight as needed. The non-metallic buckle is safe to use around electrical and magnetic equipment.

- Black • 5 per pack



NEW
MARKED IN PINK

*Web Code: YCR

Part No.	Description	1	10
746081	3/4"W x 36"L	\$11.95	\$11.55

RIP-TIE Gecko Tape

- Low cost
- Non-adhesive, self-gripping tape



Part No.	Description	1	10
744667	1/2"W x 30"L, black	\$5.75	\$5.65
744675	1/2"W x 75"L, black	13.99	13.75

Weller® 250-Watt, 3-Setting Industrial Heat Gun

- 750°F to 800°F hot air at nozzle;
- 3-position switch; hot-off-cool
- Designed for assembly and repair applications such as shrink tubing and vinyl, epoxy curing/drying/cooling
- Long-life heater and fan components
- 120VAC @ 60Hz
- ESD safe
- 3-wire grounded plug; 6' cord



*Web Code: KBQ

Part No.	Product No.	Wt. (lbs.)	1	5
191943	6966C	1.2	\$137.95	\$124.83

TECHFLEX® FLEXO® Clean-Cut Braided Sleeve

- Dense braid structure provides fuller coverage
- Fray resistant when cut with scissors
- Cut and abrasion resistant
- UV resistant
- Maintains properties across wide temperature range
- Color: black
- Length: 25 feet

Part No.	Product No.	Min/Max Flex (ins.)	Inside Dia. (ins.)	Outside Dia. (ins.)	1	10
162157	CCP0.25BK25	5/32 – 7/16	0.250	0.440	\$16.95	\$15.95
162165	CCP0.50BK25	1/4 – 3/4	0.500	0.750	18.95	17.95

*Web Code: ECQ

TECHFLEX® FLEXO® PET Braided Sleeve

- Braided from 10 mil polyethylene terephthalate monofilament yarns
- UL recognized component
- Conforms to FMVSS 302
- Color: black
- High tensile strength
- Cut and abrasion resistant
- UV resistant
- Maintains properties across wide temperature range
- Length: 25 feet

Part No.	Product No.	Min/Max Flex (ins.)	Inside Dia. (ins.)	Outside Dia. (ins.)	1	10
695383	PTN0.50BK25	1/4 – 3/4	0.500	0.550	\$11.85	\$8.89

*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product

This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Details on page 159.

Polyolefin Heat Shrink Tubing

FIT221/FIT221B Series

Insulation from environment and resistance from water fungus and UV light. Use for general purpose insulation and repair, wire and cable harnessing/bundling, cable and connector protection, and wire and tubing splicing and connecting.



- Operating temp: -55°C to 135°C
- Shrinkage ratio: 2:1 @ 121°C
- Dielectric strength: 500V/mil (197kV/cm)
- Volume resistivity: 10¹⁴Ω-cm

Black (6 inch pieces)

*Web Code: VAH

Part No.	Product No.	Min./Max. ID (ins.)	Bags of	1	5
419400	FIT221B-1/16	.063/.031	36	\$14.49	\$13.67
419549	FIT221B-3/4	.750/.375	12	14.49	13.67
419565	FIT221B-1	1.00/.500	8	14.75	13.80

Black (4 foot pieces)

Part No.	Product No.	Min./Max. ID (ins.)	1	5	25
419101	FIT221B-3/64	.046/.023 ...	.88	.73	.70
419127	FIT221B-1/16	.063/.031 ...	1.01	.96	.78
419143	FIT221B-3/32	.093/.046 ....	.80	.70	.67
419160	FIT221B-1/8	.125/.062 .....	.81	.77	.76
419186	FIT221B-3/16	.187/.093	1.00	.88	.87
419207	FIT221B-1/4	.250/.125 ...	1.89	1.75	1.43
419223	FIT221B-3/8	.375/.187 ...	1.38	1.23	1.17
419240	FIT221B-1/2	.500/.250 ...	2.05	1.80	1.74

Clear (4 foot pieces)

419215	FIT221-1/4	.250/.125	\$1.85	\$1.74	\$1.43
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JAMECO BenchPro Heat Gun/Stripper

Dual-Setting

- Use with heat shrink material
- Dual heat setting: 600°F/1100°F
- Works with spot-dry paint, plaster, spackle cure adhesives
- Will remove adhesive-applied tiles and linoleum without chipping
- Thaw frozen pipes/locks and loosens rusted bolts
- UL listed



Part No.	Dimensions	1	10	25
76865	9.3"L x 7.0"W	\$41.45	\$36.22	\$32.49



*Web Code: ECQ

Heat Shrink Tubing

- 2:1 uniform shrink ratio
- Color: black

Polyolefin Tubing

- Shrink temp: 90°C
- Only sold in 10' & 100' lengths



Part No.	Dia. Before (mm)	Length (ft.)	1	25
644834	0.12" (3)	10	\$1.99	\$1.87
644851	0.12" (3)	100	12.69	12.12
644869	0.16" (4)	10	2.15	1.57
644877	0.16" (4)	100	23.49	18.87
644906	0.20" (5)	10	1.95	1.76
644914	0.20" (5)	100	21.59	20.52
644931	0.24" (6)	10	1.69	1.64
644949	0.24" (6)	100	19.75	18.80
644957	0.31" (8)	10	2.75	2.60
644965	0.31" (8)	100	32.79	26.20
644973	0.43" (11)	10	4.05	3.88
644981	0.43" (11)	100	35.99	26.99
644990	0.59" (15)	10	4.55	4.30
645001	0.59" (15)	100	35.99	34.19

Polyolefin Flexible Tubing

- Dielectric strength: 1300V
- Flame retardant
- Shrink temp.: 90°C
- Temp. range: -45°C to +125°C
- * Precut 39" length (1 meter)



Part No.	Dia. Before (mm)	1*	10*	100*
71327	.059" (1.5)	\$.66	\$.56	\$.49
71871	.079" (2.0)	.55	.47	.353
71280	.098" (2.5)	.75	.69	.59
72063	.197" (5.0)	1.27	.98	.75

3M Heat Shrink Tubing Kit

3M™ FP-301 is a heat shrinkable flexible polyolefin tubing that offers an outstanding balance of electrical, physical and chemical properties for a wide variety of industrial and military applications. Rated for 275°F (135°C) continuous operation.



- 285481: Black 102 pieces
- 645976: Assorted pre-shrink sizes: 3/16" (30 pcs.); 1/4" (28 pcs.); 3/8" (20 pcs.); 1/2" (14 pcs.); 3/4" (6 pcs.); 1" (4 pcs.) • Pre-cut to 6" lengths

- 645976: Assorted colors 133 pieces
- 7 colors: black, red, white, yellow, blue, green and clear
- Assorted pre-shrink sizes: 3/32" (35 pcs.); 1/8" (28 pcs.); 3/16" (21 pcs.); 1/4" (21 pcs.); 3/8" (14 pcs.); 1/2" (14 pcs.) • Pre-cut to 6" lengths

Part No.	Description	1	5	10
285481	Black 102-pc. kit	\$59.75	\$56.79	\$53.95
645976	Colors 133-pc. kit	60.49	57.07	54.21

Split Loom Cable Wrap

Bundle and protect cables and cords.

- High temperature rating
- 1/2" diameter with slit
- Color: black



Part No.	Description	1	10
1585531	25' split loom	\$3.95	\$3.49

JAMECO ValuePro Audio/Video Cables and Adapters



RCA Cables

Part No.	*Mfr.	Description	1	10	25
1810161	JVP	3' RCA (3) male (3) male plugs, gold plated	\$2.75	\$1.93	\$1.38
228443	JVP	3' stereo RCA (2) male to (2) male plugs, gold plated	1.75	1.64	1.52
183312	JVP	4' RCA male to male plug (black)	1.19	1.05	.79
206973	JVP	4' RCA male to male plug (yellow)	.99	.89	.79
106375	JVP	6' RCA male to male plug	2.19	1.69	1.26
1949470	◆	6' RCA male to male, gold plated	1.75	1.49	1.15
228419	JVP	6' mono RCA male plug to female jack	1.99	1.74	1.50
228486	JVP	6' RCA stereo (2) male plugs to (2) female jacks	1.29	1.19	1.09
228451	JVP	6' RCA stereo (2) male to (2) male plugs, gold plated	2.39	2.15	2.05
228401	JVP	6' RCA stereo (2) male plugs to 3.5mm stereo male plug	1.55	1.39	1.25
1810152	◆	6' RCA (3) male (3) male plugs, nickel plated	3.49	3.25	2.75
29349	JVP	10' RCA male to male plug (yellow)	2.05	1.89	1.42
228460	JVP	12' RCA stereo (2) male to (2) male plugs, gold plated	2.49	2.29	2.19
225980	JVP	12' RCA (3) male to (3) male plugs, gold plated	4.95	4.25	2.95
225998	JVP	20' RCA (3) male to (3) male plugs, gold plated	7.95	6.49	4.95
228435	JVP	25' mono RCA male to male plug, nickel plated	2.59	2.51	2.39
228478	JVP	25' RCA stereo (2) male to (2) male plugs, gold plated	2.95	2.77	2.08

Video/Audio Patch Cables

Part No.	*Mfr.	Description	1	10	25
228574	JVP	25' stereo video patch cable, gold plated	\$6.99	\$6.49	\$5.99
228582	JVP	50' stereo video patch cable, gold plated	14.49	12.95	11.75

3.5mm Audio Patch Cables

Part No.	*Mfr.	Description	1	10	25
1944855	◆	3' 4' 3.5mm mono male to male plug	\$1.25	\$1.09	\$.99
228494	JVP	6' 3.5mm stereo male to male plug (black)	1.45	1.26	1.05
228515	JVP	6' 3.5mm stereo male plug to female jack	2.35	2.20	2.09
228507	JVP	12' 3.5mm stereo male to male plug (black)	1.99	1.78	1.54
228523	JVP	12' 3.5mm stereo male plug to female jack	2.59	2.35	2.13

JAMECO ValuePro Component Video and Audio Cables

- Low-loss 75Ω oxygen-free copper center conductors and foam dielectric provide maximum signal transfer bandwidth for improved picture quality and performance
- Corrosion resistant, precise 24k gold-plated connectors ensure long lasting quality
- Fully molded color coded connectors attached to an ultra-flexible PVC jacket provide excellent strain relief, easy installation, and identification
- 100%, 0.012mm aluminum-polyester foil shielding and spiral-wound copper-braid shielding provides clear, noise-free, vivid picture quality



Part No.	Description	1	10	50
228620	6' component video RGB cable	\$9.95	\$8.95	\$7.95
229403	6' component video RGB and stereo audio cable	14.95	13.49	11.95

* JVP = Jameco ValuePro ◆ = Manufacturer Varies

JAMECO ValuePro 3.5mm Female Jacks and Male Plugs

109496 165730 101152 231160

231176 231167

★ Web Code: SBL

• Threaded screw on housing
• 1mm diameter solder eyelets
• Shield crimp tabs

231160/231167: With spring strain relief

Part No.	Cross Ref. No.	Description	1	10	100
109496	PJ035PM	Mono F jack, 3.5mm hole size	\$5.53	\$4.72	\$4.25
165730	PJ0354	Mono F jack, 3.5mm hole size	.79	.67	.56
101152	PJ1035	Mono male plug, plastic	.61	.47	.384
231160	PJ1035	Mono male plug, plastic	1.79	1.72	1.57
231176	AP-340	Stereo male plug, plastic	.66	.52	.39
231167	AP-343	Stereo male plug, metal	1.75	1.34	.99

JAMECO ValuePro S-VHS Cables and Adapters

Low-loss fully shielded Super-VHS cables, 4-contact mini DIN plus S-VHS cable and dual-RCA plug stereo cables.

• Fully-molded color coded gold RCA connectors
• Flexible black PVC jacket
• Applications: home theaters, DSS receivers, Super-VHS VCRs, camcorders, & DVD players

228591 229809 229391

★ Web Code: TBL

Part No.	Description	1	10	25
228591	6' S-VHS video cable, gold plated	\$2.59	\$2.34	\$2.15
228611	25' S-VHS video cable, gold plated	4.85	4.62	4.38
229809	S-video 4-pin mini DIN female to female jack	3.45	3.11	2.75
229391	S-video male plug to RCA video female jack	6.45	5.82	5.27

Audio/Video BNC to RCA Cables & Adapter

Fully molded nickel connectors. Used for displays that require a single BNC connection from a PAL/NTSC video source.

683059

★ Web Code: MAH

Part No.	Description	1	10	50
683059	6' BNC to RCA cable (RG-59)	\$3.95	\$3.49	\$2.95
1945057	6' BNC to BNC video cable w/ BNC to RCA male adapter	3.95	3.49	2.95

JAMECO ValuePro Audio Adapters and Cables

228283 228267 139038 228371 228355 228380 228398

★ Web Code: KBQ

Part No.	Product No.	Description	1	10	25
228283	251-120	RCA F jack to mono 1/4" M plug	\$1.19	\$1.07	\$.83
228267	251-116	RCA F to F jack coupler, gold plated	1.15	.95	.66

RCA Y-Cables

Part No.	Description	1	10	25
139038	AC-27-5FT 5' Y-cable 1/8" stereo M plug to (2) RCA M plugs	\$2.29	\$1.99	\$1.79
682793	WCA2274G 6' Y-cable 1/8" stereo M plug to (2) RCA mono M plugs	2.29	1.75	1.25
228371	255-025 6' Y-cable (2) RCA M plugs to RCA F jack	1.35	1.19	1.13
228355	255-010 6' Y-cable RCA M plug to (2) RCA F jacks	2.49	2.12	1.59
228380	255-038 6' Y-cable (2) RCA F jacks to 3.5mm stereo plug	1.95	1.76	1.59

3.5mm Y-Cables

Part No.	Description	1	10	25
228398	255-042 6' Y-cable (2) 3.5mm stereo F jacks to 3.5mm stereo M plugs	\$2.35	\$1.98	\$1.62
228380	255-038 6' Y-cable (2) RCA F jacks to 3.5mm stereo M plug	1.95	1.76	1.59

* For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 159.

Order by Phone 24/7 at 1-800-831-4242 or Online at www.Jameco.com


JAMECO

ValuePro

RCA Metal Plugs

★

Web Code: NBM



• High-quality metal housing RCA plugs

Gold plated metal housing w/ spring strain relief for 6.7mm cables

229876

Part No.	Product No.	Description	1	10	25	100
229876	JR0101BLK	Black stripes	\$2.29	\$2.06	\$1.65	\$1.24
229868	JR0101R	Red stripes	2.29	2.03	1.86	1.67
229884	JR0101W	White stripes	2.29	1.94	1.46	1.36



JAMECO

ValuePro

RCA Plastic Plugs

- High-quality plastic RCA plugs

Plastic screw-on cover w/ integral cable protection

229921

229930

Part No.	Product No.	Description	★ Web Code: PBM	1	10	25	100
229921	JR1625BLK	Black (5 pk)		\$1.15	\$1.04	\$.83	\$.62
229930	JR1625R	Red (5 pk)		1.29	1.09	.95	.79

RCA Jacks

NEW
MARKED IN PINK



• Standard RCA jacks for audio and video signals					★ Web Code: FBK		
Part No.	Mfr.	Fig.	Description	Dimensions (WxDxH)	1	10	100
220581	Jameco	VP 1	PCB mount, white⊕	.44" x .56" x .48"	\$.62	\$.529	\$.351
220556	Jameco	VP 1	PCB mount, red⊕	.44" x .56" x .48" .....	.59	.515	.322
220572	Jameco	VP 1	PCB mount, red⊕	.44" x .58" x .48" .....	.44	.348	.324
169502	Various	2	PCB mount, blackⓂ	.40" x .85" x .50" .....	.47	.40	.30
1537150	Various	3	PCB mount, red/white	1.1" x .40" x .51" .....	.69	.59	.45
159485	Various	4	Panel mount, blackⓂ	.84"W x .38"H .....	.85	.71	.61
172340	Various	4	Panel mount, redⓂ	.84"W x .38"H .....	.79	.67	.43
319249	Vellerman	5	Panel mnt., 1x4 grid, red/wht⊕	2.9" x .48" x .98"99	.89	.73
237016	Various	6	PCB mnt 2x3 grid, red/wht/yel	2.0" x .45" x 1.10"	1.19	.99	.85



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Switchcraft

Switchcraft is a leading supplier and manufacturer of electronic and electromechanical components for the audio, video, telecommunication, computer, medical, military, appliance, transportation and instrumentation industries. Their components include jacks, connectors, jack panels, plugs, jackfields, patch cords, power plugs, switches, EAC power receptacles and molded cable assemblies.

Audio Plugs and Jacks

*Web Code: DBS

		*Web Code: DBS			
Part No.	Product No.	Fig.	Description	Dimensions (mm)	1 10 100
281869	750	1	3.5mm mono audio plug, plastic	14.0 x 41.5 x 5.7 ID	\$3.09 \$2.43 \$2.14
281834	41	2	3.5mm audio jack	7.8 x 5.9	2.05 1.72 1.36
297297	850	3	2.5mm mono phone audio plug, plastic	25.8 x 6.35 Dia.	3.35 3.15 3.05
281789	297	4	1/4" stereo phone audio plug, metal	73.7 x 7.6 ID	5.29 4.75 4.36
281771	280	5	1/4" mono phone audio plug, metal	73.7 x 7.6 ID	4.35 3.43 3.40
281762	267	6	1/4" stereo phone audio plug, plastic	73.7 x 7.6 ID	5.15 4.23 3.72
281754	250	7	1/4" mono phone audio plug, plastic	73.7 x 7.6 ID	3.45 2.70 2.34
281746	12B	8	1/4" stereo phone audio jack	14.7 x 9.1 Dia.	1.89 1.55 1.46
281738	11	9	1/4" mono phone audio jack	12.8 x 9.1 Dia.	1.85 1.55 1.42
296892	12A	8	1/4" mono phone audio jack, metal	31.7 x 9.4 Dia.	1.79 1.55 1.50
297001	121	10	1/4" mono phone audio jack, metal	63.5 x 12.7 Dia.	7.49 7.29 7.09
568392	35R4PC4BH3	11	3.5mm stereo jack, RA hor., plastic	6.0H x 11.0W x 8.0D	1.26 1.20 1.14
1766180	35R4PC4BH2	11	3.5mm stereo jack, RV hor., plastic	5.0H x 12.0W x 15.0D	1.46 1.04 .99
1766198	35R4PC4BV4	11	3.5mm stereo jack, RA ver., plastic	12.3H x 8.1W x 14.0D	1.41 1.22 1.17

NEW
MARKED IN PINK



Continued on next page

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*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 159.

Switchcraft® Power Plugs and Jacks

* Web Code: CBS

Part No.	Product No.	Mfr.	Fig.	Description	Dimensions (mm)	1	10	50
281842	712A	Switchcraft	12	2.5mm DC pwr jack, panel mount	15.8 x 7.5 Dia.	\$2.39	\$1.95	\$1.75
1768329	712RA	Switchcraft	13	2.5mm DC pwr jack, PCB locking	19.6 x 10.9 Dia.	3.69	3.33	2.88
281851	722A	Switchcraft	12	2.1mm DC pwr jack, panel mount	15.1 x 7.5 Dia.	2.45	2.21	2.10
297553	PC712A	Switchcraft	14	2.5mm x 5.5mm DC pwr jack, metal	23.3 x 11.0 Dia.	3.09	2.17	2.16
297529	L712A	Switchcraft	15	2.5mm x 5.5mm DC pwr jack, metal	23.3 x 11.0 Dia.	4.49	3.35	3.08
281877	760	Switchcraft	16	2.5mm x 5.5mm DC pwr plug, plastic	9.6 x 36.3 x 5.7 Dia.	2.49	1.88	1.85
297617	S760	Switchcraft	18	2.1mm x 5.5mm DC pwr plug, plastic	25.4 x 9.5 Dia.	2.59	1.96	1.84
297289	761K	Switchcraft	17	2.5mm DC pwr plug, plastic locking	45.7 x 5.5 Dia.	4.59	3.37	3.01

Microphone (XLR) Connectors

* Web Code: ABV

Part No.	Product No.	Mfr.	Fig.	Description	Dimensions (mm)	1	10	100
277026	A3F	Switchcraft	18	3-pin female, metal	82.5 x 5.3 Dia.	\$5.09	\$4.39	\$4.15
281560	A3M	Switchcraft	19	3-pin male, metal	70.3 x 5.3 Dia.	4.29	3.44	3.12
281640	D3F	Switchcraft	20	3-pin female, metal, panel mount	27.0W x 36.3H x 30.6D	5.99	4.96	4.35
281586	A4F	Switchcraft	18	4-pin female, metal	82.0 x 5.5 Dia.	8.55	6.47	5.67
281594	A4M	Switchcraft	19	4-pin male, metal	71.2 x 4.8 Dia.	5.45	4.76	4.18
281607	A5F	Switchcraft	18	5-pin female, metal	82.0 x 4.7 Dia.	13.95	10.44	9.56
281615	A5M	Switchcraft	19	5-pin male, metal	70.2 x 5.3 Dia.	10.99	8.32	7.62
281623	A6F	Switchcraft	18	6-pin female, metal	80.2 x 4.6 Dia.	18.25	15.92	13.26
281703	D6F	Switchcraft	20	6-pin female, metal, panel mount	27.0W x 26.3H x 30.6D	26.35	23.75	20.16
281711	D6M	Switchcraft	21	6-pin male, metal, panel mount	27.0W x 36.3H x 30.6D	19.89	18.69	17.57
319011	250-710	Jameco ValuePro	19	3-pin male, metal	70.6L x 7.31D	3.39	2.48	2.13
319003	250-720	Jameco ValuePro	18	3-pin female, metal	81.5L x 7.43D	2.59	2.19	1.95
319038	250-705	Jameco ValuePro	20	3-pin female, metal, panel mount	26.2W x 35.5H x 35.9D	4.15	3.39	2.29

Switchcraft – For Highest Quality Connectors



AMP CPC Circular Plastic Connectors

Series 1 — Standard density, signal & low-current applications

- Accepts type III+; high-current type II and subminiature coax contacts
- Voltage rating: 600V (UL)

* Web Code: WKB



Square Flange Receptacle with Mounting Holes

Part No.	Product No.	AWG	Finish	Type	1	10
495146	206043-1	17-14	Reverse		\$2.39	\$2.13

Plugs

495031	206044-1	17-14	Reverse		\$2.89	\$2.59
495103	206708-1	13-9	Standard		3.25	2.44
495082	206060-1	11-4	Standard		2.59	2.30

AMP CPC Accessories

Cable Clamps

Provides strain relief and can be used in all series receptacles and plugs.

- Material: thermoplastic black, UL94V-0 rated



* Web Code: PCB

Part No.	Product No.	Shell Size	Cable O.D. (max.)	1	10
494047	206062-3	28	.329"	\$3.39	\$3.02
494039	206062-1	28	.329"	3.89	3.58
494063	206070-1	17	.453"	3.45	2.95
749919	206966-7	13	.453"	3.75	3.29
749839	206138-8	23	.703"	3.59	2.89

AMP Extraction Tool

- Works with general contacts of CPC, multimate and MATE-N-LOCK II contacts



Part No.	Product No.	1	10	100
841838	305183	\$17.85	\$16.07	\$14.47

AMP CPC Contacts

Contacts

* Web Code: LEF

- Finish:
A: 30µ" gold over nickel
B: Tin-lead
C: 15µ" gold over nickel



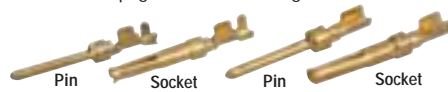
Type III+ Snap-In Crimp Pins w/ Retention Spring

- Crimp type except *P/N 526424 (solder type)
- Contact body – brass or phosphor bronze

Part No.	Product No.	AWG	Finish	Type	1	10
526424	66180-1	18-16	A	Pin*	\$.91	\$.87
526432	66181-1	18-16	A	Socket	1.00	.95
526459	66103-3	24-20	C	Pin	.39	.37
526563	1-66103-5	24-20	B	Pin	.34	.323
526379	66105-3	24-20	C	Socket	.52	.485
526504	1-66105-6	24-20	B	Socket	.41	.387

Size 20DF Contacts

- Contact body: brass
- Finish: A: 30µ" gold over nickel; B: gold flash over nickel



Part No.	Product No.	AWG	Finish	Type	10	100
223221	1-66505-0	28-24	B	Socket†	\$.171	\$.134
223247	745253-6	26-22	A	Socket†	.187	.14
223298	66504-9	24-20	A	Socket	.159	.14
223255	1-66504-0	24-20	B	Socket	.128	.121

† With insulation support



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RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 159.

AMP AMPLIMITE™ .050" Series 2 Type B Header

- Right angle plug
- Housing: PBT black
- Cap shields: zinc, nickel over copper
- Contacts: phosphor bronze, 0.76µm gold in contact area, tin in solder area

Part No.	Product No.	Positions	1	10
749417	2-5174225-5	68	\$34.95	\$32.95

*AMPLIMITE Available Online — Enter Web Code WAB

JAMECO ValuePro D-Sub Connector Hoods



- Use with D-sub solder cup and housing style connectors (hardware included)

D Series: plastic hood with strain relief (gray)
MD Series: metal coated plastic hood w/ strain relief
MH Series: die-cast metal hood with strain relief

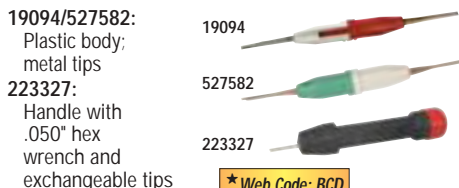
Part No.	Cross Ref.	Connector	1	10	100	1000
15722	DB9H	9-pin	.55	.51	.44	.39
25620	MD9H	9-pin	.69	.56	.445	.399
147741	MHDB9	9-pin	1.59	1.43	1.27	1.10
15019	DA15H	15-pin	.69	.64	.57	.497
25567	MDA15H	15-pin	.79	.59	.49	.39
15086	DB25H	25-pin	.54	.468	.42	.384
25604	MDB25H	25-pin	.75	.60	.509	.424
15106	MHDB25	25-pin	1.85	1.69	1.48	1.37
15457	DC37H	37-pin	.78	.70	.56	.42
25612	MDC37H	37-pin	.65	.59	.55	.49
15660	DD50H	50-pin	1.03	.88	.78	.59

AMP Plastic Hood for D-Sub Connectors

- Cable clamp type: clam shell
- Cable exit angle: straight
- Standard clam shell length
- Body material, cable support gate, and cable clamp: thermoplastic
- Screw material: steel
- Screw plating: zinc

Part No.	Product No.	Positions	1	10	100
230893	205729-1	9	\$2.25	\$1.84	\$1.69

D-Sub Pin Insertion/Extraction Tools



Part No.	*Mfr.	Description	1	10
527582	AMP	AMP# 91067-1	\$6.89	\$6.55
223327	AMP	AMP# 91285-1	19.99	18.99
19094	JVP	Red/white plastic body	3.65	3.21

♣ This product typically requires one to two additional days to ship. Please request 'ship partial' if you prefer the other products on your order to ship immediately. A separate shipping charge would apply.

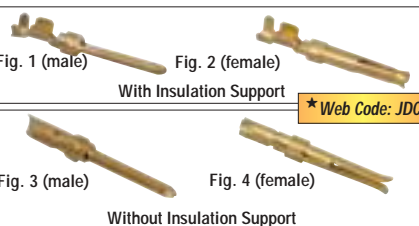
* 3M = 3M | AMP = AMP | CIN = Cinch | JVP = Jameco ValuePro | KEY = Keystone | ♦ Manufacturer Varies

*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

♣ RoHS compliant product ⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 159.



D-Sub Contacts



Male Crimp ContactS— Fig. 1

Part No.	Product No.	*Mfr.	10	100	1000
223108	66507-9	AMP	\$1.55	\$1.47	\$1.14
43377	500-055	JVP	.105	.095	.085
185421	1006-PP†	JVP	.055	.045	.034

† Use with 180882

Female Crimp Contacts— Fig. 2

Part No.	Product No.	*Mfr.	10	100	1000
223221	1-66505-0	AMP	\$1.71	\$1.34	\$1.08
223247	745253-6	AMP	.187	.14	.105
223255	1-66504-0	AMP	.128	.121	.118
860001	66504-4	AMP	.138	.128	.118
223271	5-66504-7	AMP	.151	.141	.105
223298	66504-9	AMP	.159	.14	.105
43369	500-155	JVP	.08	.07	.06
185412	1006-PS⊕†	JVP	.055	.05	.04

† Use with 180890

Male Solder Contact— Fig. 3

Part No.	Product No.	*Mfr.	10	100	1000
234982	66570-3	AMP	\$2.02	\$1.17	\$1.16

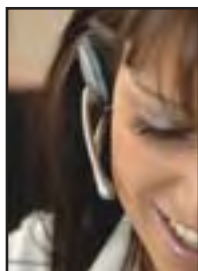
Female Solder Contact— Fig. 4

Part No.	Product No.	*Mfr.	10	100	1000
223319	66569-3	AMP	\$2.25	\$2.37	\$1.95

Non-Insulated Terminal D-Sub Crimping Tool

- Heavy-duty metal tool with cutter and insulated handles
- For computer pins and sockets, D-sub 26-28 AWG wire
- For butt-insulated connectors, 22-26 AWG wire
- For telephone spade lugs, 22-26 AWG wire
- For non-insulated connectors, 20-22 AWG wire
- For non-insulated connectors, 14-18 AWG wire
- Coiled spring return • Size: 7.3"L x 1.5"W

Part No.	Product No.	1	10	25
99443	HT202A	\$9.49	\$8.49	\$7.75



4-40 Screw Hardware for D-Subminiature Connectors



Jack Screws

Part No.	*Mfr.	Length	1	10	100	1000
839252	AMP	.250"	\$22	\$1.71	\$1.57	\$1.14
196293	♦	.252"	.35	.31	.166	.117
169931	♦	.275"	.21	.144	.115	.086
1582209	KEY	.312"	.25	.213	.16	.14
1582508	KEY	.312"	.29	.276	.246	.21
172603	♦	.315"	*	.15	.12	.09
102816	♦	.435"	.69	.65	.59	.53
108987	♦	.515"	.73	.69	.63	.49

Standoffs

Part No.	*Mfr.	Length	1	10	100	1000
175636	♦	.187"	*	\$1.19	\$1.15	\$1.10
102795	♦	.236"/6mm	*	.25	.15	.12

Plastic Thumbscrew

Part No.	*Mfr.	Description	1	10	100	1000
125015	♦	1.65"L beige	\$2.1	\$1.52	\$1.06	\$1.04

4-40 Screw Sets



Part No.	*Mfr.	Description	1	10	100
102808	♦	Screw/retainer ⊕	*	\$4.93	\$4.44
16548	♦	Screw/nut	*	.74	.60
1575914	3M	Screw/nut .50"	1.75	1.63	1.55
444912	CIN	Screw lock .628"	1.69	1.62	1.54

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JAMECO ValuePro

D-Subminiature Connectors

Right Angle PC Mount

Metal .318" Setback – Tin plated

• Long style

***Web Code: FAN**

NEW
MARKED IN PINK



Female
Jack
Screws



Part No.	Product No.	Mfr.	Contacts	Gender	1	10	100
1952839	D-SUB-9M†	Foxconn	9	M	\$.55	\$.49	\$.39
104943	DB9P318	Jameco ValuePro	9	M	\$.63	\$.59	\$.53
614248	74520-4†	AMP	9	M	2.19	2.06	1.96
614504	747844-4†1	AMP	9	F	2.05	1.91	1.80
614441	747840-4†1	AMP	9	M	1.45	1.09	1.07
1775908	DEKL-9SAT-E†1	Cinch	9	F	.93	.73	.57
104952	DB9S318	Jameco ValuePro	9	F	.71	.64	.58
71125	DA15P318	Jameco ValuePro	15	M	.87	.73	.67
77956	DA15S318	Jameco ValuePro	15	F	.79	.69	.66
1952273	HDDSUB-15S†*	Kycon	15	F	.79	.69	.59
265439	DSUB-25F	Various	25	F	.89	.79	.65
1945364	DSUB-25M	Various	25	M	.69	.59	.49
71466	HDDB15S318	Jameco ValuePro	15	F	.89	.79	.69
614539	747845-4	AMP	15	F	1.79	1.65	1.50
15150	DB25P318	Jameco ValuePro	25	M	.84	.67	.62
15182	DB25S318	Jameco ValuePro	25	F	1.05	.94	.85
614547	747846-3†1	AMP	25	F	2.56	1.92	1.73
446483	DBKL-25SAT-E25†1	Cinch	25	F	1.23	1.08	.98
71707	DC37P318	Jameco ValuePro	37	M	1.19	1.05	.94
78183	DC37S318	Jameco ValuePro	37	F	1.99	1.65	1.49

* High Density † Without female jack screws † With board locks

Metal .590" Set Back – Tin plated

• Lead length: .178"

• Lead spacing: .104"

• Current rating: 1A

• Long style

***Web Code: HAN**



104978

Part No.	Product No.	Mfr.	Contacts	Gender	1	10	100
104970	DB9P590	Jameco ValuePro	9	M	\$1.09	\$.90	\$.78
104978	DB9S590	Jameco ValuePro	9	F	1.09	.94	.70
104994	DA15S590	Jameco ValuePro	15	F	1.25	1.19	.77
105006	DB25P590	Jameco ValuePro	25	M	1.09	1.01	.91
105014	DB25S590	Jameco ValuePro	25	F	1.55	1.32	1.00

IDC Ribbon Cable

• Contact material: phosphor bronze

• Terminates with standard D-type connectors

***Web Code: MAP**



12432

Part No.	Product No.	Mfr.	Shell	Cont.	Gender	1	10	100
109226	MDB9P	Jameco ValuePro	Metal	9	M	\$1.49	\$1.38	\$1.21
12504	CDB9P	Jameco ValuePro	Plastic	9	M	2.65	1.90	1.69
109218	MDB9S	Jameco ValuePro	Metal	9	F	1.69	1.34	1.17
12521	CDB9S	Jameco ValuePro	Plastic	9	F	2.79	2.51	2.24
614387	747318-41	AMP	Plastic	9	F	4.79	4.01	3.69
614408	747321-41	AMP	Plastic	9	M	4.85	4.62	3.46
117381	MDA15P	Jameco ValuePro	Metal	15	M	1.99	1.59	.88
12299	CDA15P	Jameco ValuePro	Plastic	15	M	1.85	1.57	1.18
116012	MDA15S	Jameco ValuePro	Metal	15	F	1.69	1.35	.92
12319	CDA15S	Jameco ValuePro	Plastic	15	F	1.95	1.79	1.50
115983	MDB25P	Jameco ValuePro	Metal	25	M	2.65	2.38	1.99
12335	CDB25P	Jameco ValuePro	Plastic	25	M	1.99	1.79	1.34
115976	MDB25S	Jameco ValuePro	Metal	25	F	2.39	2.14	1.80
12432	CDB25S	Jameco ValuePro	Plastic	25	F	2.29	2.11	1.64
614301	747303-2	AMP	Metal	25	F	7.25	5.44	5.17
614344	747306-2	AMP	Metal	25	M	7.69	6.35	5.09
115992	MDC37P	Jameco ValuePro	Metal	37	M	2.49	2.19	1.65
12466	CDC37P	Jameco ValuePro	Plastic	37	M	3.69	3.52	3.29
116004	MDC37S	Jameco ValuePro	Metal	37	F	3.59	3.26	2.94
12483	CDC37S	Jameco ValuePro	Plastic	37	F	3.89	3.32	2.49

† Requires flat cable w/ .0625" centers † With standard mounting holes

***D-Sub Metal Junction Shell Available Online — Enter Web Code JEM**

♣ This product typically requires one to two additional days to ship. Please request 'ship partial' if you prefer the other products on your order to ship immediately. A separate shipping charge would apply.

***For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above**

RoHS compliant product

This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 159.

Crimp-Type

***Web Code: UBR**



180890

38771

43369

Part No.	Product No.	Mfr.	Contacts	Gender	1	10	100
73189	500-010	Jameco ValuePro	9	M	\$.49	\$.39	\$.31
222754	205204-3	AMP	9	M	1.49	1.28	.96
73197	500-110	Jameco ValuePro	9	F	.49	.39	.31
222842	205203-3	AMP	9	F	.71	.59	.56
73200	G37-15	Jameco ValuePro	15	M	.85	.74	.67
180882	1006-15P-R*	Jameco ValuePro	15	M	.87	.79	.64
73219	G1G125-R	Jameco ValuePro	15	F	.75	.68	.60
180890	1006-15S	Jameco ValuePro	15	F	1.01	.91	.73
222914	205205-2	AMP	15	F	.77	.62	.549
38789	500-027	Jameco ValuePro	25	M	.68	.528	.432
222818	207464-2	AMP	25	M	.79	.64	.549
38771	500-127	Jameco ValuePro	25	F	.55	.44	.31
222922	207463-1	AMP	25	F	.89	.72	.63
222789	205210-2	AMP	37	M	2.25	1.98	1.49

* High Density

NEW
MARKED IN PINK

***Web Code: EAB**

203799



Metal Solder-Cup

Part No.	Product No.	Mfr.	Contacts	Gender	1	10	100
15748	1001-9P-R	Jameco ValuePro	9	M	\$.63	\$.49	\$.39
15771	500-109	Jameco ValuePro	9	F	.69	.58	.51
222990	747904-2	AMP	9	M	1.89	1.79	1.73
222957	747904-4†	AMP	9	M	2.19	2.05	1.45
223052	747905-2	AMP	9	F	2.05	1.82	1.60
223036	747905-4†	AMP	9	F	3.05	2.57	2.02
15078	1002-15P-R*	Jameco ValuePro	15	M	.81	.70	.58
164823	1002-15S-R*	Jameco ValuePro	15	F	.80	.70	.60
15035	1001-15P-R	Jameco ValuePro	15	M	.59	.532	.456
223001	747908-2	AMP	15	M	2.89	2.69	2.44
15052	1001-15S-R	Jameco ValuePro	15	F	.65	.535	.426
223061	747909-2	AMP	15	F	4.59	3.95	3.45
15115	1001-25P-R	Jameco ValuePro	25	M	1.08	.97	.86
223010	747912-2	AMP	25	M	3.89	3.27	2.61
222973	747912-4†	AMP	25	M	3.25	3.19	2.99
15157	500-125	Jameco ValuePro	25	F	1.05	.91	.81
223079	747913-2	AMP	25	F	4.09	3.69	2.72
482708	EDB25S	Amphenol	25	F	.69	.59	.49
203799	1002-26P	Jameco ValuePro	26	M	.69	.65	.59
203782	1002-26S-R*	Jameco ValuePro	26	F	.75	.68	.54
15473	1002-37P	Jameco ValuePro	37	M	1.26	.95	.79
223028	747916-2	AMP	37	M	3.95	3.75	3.69
15500	GC028-R	Jameco ValuePro	37	F	1.43	1.26	1.02
223087	747917-2	AMP	37	F	7.79	6.50	5.21
639630	EDC37P	Amphenol	37	M	.85	.75	.65
482724	EDC37S	Amphenol	37	F	.99	.79	.65
482741	EDD50S	Amphenol	50	F	.99	.79	.65
15676	GC029-R	Jameco ValuePro	50	M	1.99	1.79	1.59
15691	GC030	Jameco ValuePro	50	F	1.89	1.48	1.41

* High Density

† Zinc plated shell

***Web Code: SBK**

1577881



Metal Straight PC Mount

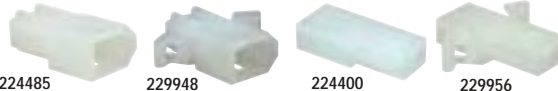
Part No.	Product No.	Mfr.	Contacts	Gender	1	10	100
111692	DB9PPCB	Jameco ValuePro	9	M	\$.65	\$.502	\$.357
1577881	8209-6000	3M	9	M	4.95	4.13	4.01
15781	DB9SPCB	Jameco ValuePro	9	F	.68	.56	.39
1577961	8309-6000	3M	9	F	4.25	3.69	3.55
176760	DA15PPCB	Jameco ValuePro	15	M	.51	.413	.379
176752	DA15SPCB	Jameco ValuePro	15	F	.75	.65	.473
15123	DB25PPCB	Jameco ValuePro	25	M	.75	.65	.57
15166	DB25SPCB	Jameco ValuePro	25	F	.89	.81	.47
863711	747375-8	AMP	37	M	9.75	8.22	7.99
180021	DC37SPCB	Jameco ValuePro	37	F	1.09	.93	.70
863658	747301-8	AMP	37	F	11.85	10.71	9.72

molex

.062" (1.57mm) Power Connectors

★ Web Code: HBL

- Passive friction lock
- Housing: nylon; UL94V-2
- Voltage: 250V • Current: 5.0A
- Polarized housing assures proper mating
- Dielectric withstanding volt.: 1500VAC_{RMS}
- Contact retention to housing: 20 lbs. minimum
- Temperature range: -40°C to +105°C



Plugs

Part No.	Product No.	Circuits	1	10	100
224485	03-06-2023	2	\$.29	\$.235	\$.168
229948	03-06-2024	2	.20	.161	.15
224506	03-06-2042	4	.34	.29	.25
224514	03-06-2044	4	.39	.303	.263
230041	03-06-2062	6	.47	.26	.24

*In-line **Grid † with mounting ears

molex

.093" (2.36mm) Power Connectors

★ Web Code: CBL

QUANTITY SAVE

- Passive friction lock • Current: 12A per circuit
- Dielectric withstanding volt.: 1500VAC_{RMS}
- Contact retention to housing: 20 lbs. min.
- Temp. range: -40°C to +105°C • Voltage: 250V
- Housing: nylon; UL94V-2

Plugs

Part No.	Product No.	Circuits	1	10	100
224071	03-09-2022	2	\$.30	\$.25	\$.18
224080	03-09-2032	3	.41	.32	.21
229825	03-09-2049	4	.54	.406	.351
224101	03-09-2062	6	.49	.42	.315

Without Mounting Ears

Part No.	Product No.	Circuits	1	10	100
230148	03-09-2041	4	\$.41	\$.33	\$.31

*In-line **Grid

molex

.062" (1.57mm) & .093" (2.36mm) Contacts

- Contact: brass or phosphor bronze
- Temp. range: -40°C to +105°C
- Tin plating

Crimp-Type Contacts

.062" (1.57mm)		★ Web Code: JBL		Order in multiples of 10		
Part No.	Product No.	Gender	AWG	10	100	1000
224565	02-06-2103	M	18-24	\$.18	\$.057	\$.038
224581	02-06-2132	M	24-30	..188	.05	.04
224557	02-06-1103	F	18-24	..18	.057	.038
224573	02-06-1132	F	24-30	..085	.057	.049

.062" (1.57mm) Reels

Part No.	Product No.	Gender	AWG	10	100	1000
734645	02-06-2101	M	18-24	\$.09	\$.05	\$.022
734637	02-06-1101	F	18-24	.09	.05	.022

.093" (2.36mm)

Part No.	Product No.	Gender	AWG	10	100	1000
224207	02-09-2118	M	18-22	\$.20	\$.075	\$.05
224223	02-09-2103	M	14-20	.119	.049	.04
224215	02-09-1119	F	18-22	.20	.07	.04
224231	02-09-1104	F	14-20	.18	.059	.042

Solder-Tail Contact

Part No.	Product No.	Gender	10	100	1000
224258	02-09-1134	Female	\$.20	\$.16	\$.12

Receptacles

Part No.	Product No.	Circuits	1	10	100
224400	03-06-1023	2	\$.28	\$.233	\$.167
229956	03-06-1022	2	.31	.16	.14
224418	03-06-1032	3	.31	.19	.143
229972	03-06-1038	3	.20	.188	.178
224426	03-06-1042	4	.51	.417	.298
224434	03-06-1044	4	.37	.343	.294
224442	03-06-1062	6	.55	.386	.33
224451	03-06-1092	9	.24	.21	.158

*In-line **Grid † with mounting ears

Receptacles



Without Mounting Ears

Part No.	Product No.	Circuits	1	10	100
224143	03-09-1022	2	\$.30	\$.25	\$.18
224151	03-09-1032	3	.44	.25	.16
224160	03-09-1042	4	.39	.299	.224
229817	03-09-1049	4	.43	.361	.272
224186	03-09-1094	9	.83	.71	.468

With Mounting Ears

Part No.	Product No.	Circuits	1	10	100
230113	03-09-1027	2	\$.20	\$.186	\$.137

*In-line **Grid

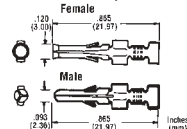
.093" Power Connector Kit

Assortment kit contains mating sets of housings and pins.

- 2 each 4-pin plugs & receptacles, 10 each female and male contacts • Volt.: 250VAC
- Temp. range: -40°C to +105°C
- Current: 9A

★ Web Code: CAV

Standard Crimp Contacts

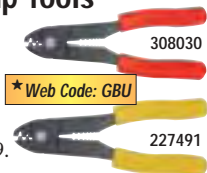


Includes: Male and female tin-plated standard brass .010" pins; 18-22 AWG crimp size wire

Part No.	Product No.	Description	1	10	50
142201	1490	4-pin kit	\$5.09	\$4.32	\$3.24

Hand Crimp Tools

Designed to crimp terminals, strip and cut wires, and cut bolts. For Molex .062" & .093" crimp pin terminals and KK® series on pages 58 - 59.



★ Web Code: GBU

- 308030: Cuts & strips 14-24 AWG wires
- 227491: Cuts & strips 18-30 AWG wires

Part No.	Product No.	Length	Color	1	5
308030	W-HT-1919	8.3"L	Red	\$14.99	\$13.99
227491	W-HT-1921	8.3"L	Yellow	14.99	13.99

JAMECO
ValuePro

.100" & 2mm Shorting Blocks



- Mates to .025" square posts on .100" centers
- Shorts headers/jumper blocks or color codes strip line plugs • Mate with male headers, above
- Pin material: phosphor bronze

Open: open on top to allow for a test point

Closed: closed top

119264: 2mm (for disk drives)

★ Web Code: MAC

- Order in multiples of 10

Part No.	Description	10	100	1000
22023	Top open, black (.100")	\$.12	\$.09	\$.06
119264	Top open, black (2mm)	.15	.13	.096
112424	Top open, blue (.100")	.13	.099	.067
112417	Top open, red (.100")	.12	.09	.06
19141	Top closed, black (.100")	.12	.09	.06
112442	Top closed, blue (.100")	.12	.09	.06
112432	Top closed, red (.100")	.20	.18	.12
152671	Top closed, black (.100")	.19	.15	.12

molex C-Grid™ .100" (2.54mm) Pitch Breakaway Header

Dual Row, Vertical, High Temperature

- Volt.: 250V • Height: .220"
- Contact resis.: 15mΩ max.
- Insulation resis.: 1000MΩ min.
- Dielectric w/standing voltage: 1500V
- Contacts: phosphor bronze • Current: 3A

Part No.	Cross Ref.	Positions	1	10	100
514466	10-89-7102	10	\$.85	\$.71	\$.519

Waldom Connector Extraction Tools



227467/142236 For .062" Connectors ★ Web Code: BAV 142156/227395 For .093" Connectors

Part No.	Product No.	AWG	1	5
142156	W-HT-2285	14	\$14.49	\$13.49
227467	W-HT-2023	18-30	14.99	13.74
142236	W-HT-2038	14	14.49	13.49
227395	W-HT-2054	14-30	15.75	14.43

Greater Savings Online

Find a large selection of price saving generic brands, house brands and factory overruns.



★ For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 159.

JAMECO ValuePro

.100" (2.54mm) Male Solid Headers (Gold)

JAMECO
EXCLUSIVE

- Solder to PC boards for instant plug-in access via shorting blocks, pg 56
- Insulator: UL94V-0 polyester
- Contact material: phosphor bronze
- .025" square posts on a .100" x .100" matrix
- Current rating: 1 amp
- Contact area: gold
- Snap apart to fit your application
- Temperature range: -55°C to +120°C
- Use with crimp connector housing, pg 62

QUANTITY
SAVE

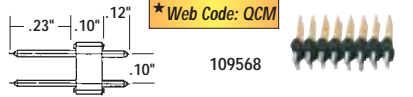
.100" Right Angle Single Row Male Header



*Web Code: DAH

Cross						
Part No.	Ref. No.	Contacts	1	10	100	1000
103271	RMH36R	36	\$.92	\$.79	\$.71	\$.50

.100" Straight Double Row Male Headers



*Web Code: QCM

* Order in multiples of 10

Part No.	Cross Ref. No.	Contacts	1	10	100	1000
115027	923804DS⊕	4	* \$1.4	\$1.2	\$0.9	
115035	923806DS⊕	6 .....23	.211	.187	.164	
109517	923808DS⚡	8 .....25	.23	.18	.16	
67821	923810DS⊕	10 .....35	.29	.25	.19	
203810	923812DS⊕	12 .....60	.55	.49	.368	
118456	923814DS⚡	14 .....45	.40	.36	.33	
109568	923816DS⚡	16 .....55	.49	.45	.39	
53480	923820DS⚡	20 .....65	.57	.48	.36	
203836	923822DS⊕	22 .....65	.61	.59	.443	
203844	923824DS⊕	24 .....75	.70	.65	.59	
203852	923828DS⊕	28 .....79	.75	.69	.55	
53495	923826DS	26 .....35	.26	.208	.156	
203861	923832DS⊕	32 .....80	.74	.59	.443	
53517	923834DS⚡	34 .....85	.78	.68	.51	
203888	923836DS⚡	36 .....96	.87	.70	.516	
203895	923838DS	38 .....75	.69	.65	.49	
53532	923840DS⊕	40 .....59	.53	.42	.31	
53560	923850DS⚡	50 .....72	.62	.55	.413	
68574	923860DS⊕	60 .....79	.71	.57	.423	
117197	923880DS⚡	80 .....1.08	.96	.90	.78	

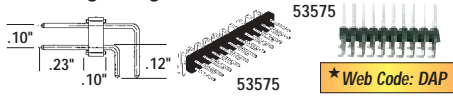
.100" Straight Single Row Male Headers



*Web Code: TAM

Part No.	Ref. No.	Contacts	1	10	100	1000
108338	SMH02	2	.....\$ .20	\$.16	\$.14	\$.105
109576	SMH03	3	......20	.17	.15	.135
117560	SMH04	4	......21	.17	.15	.135
153700	SMH06	6	......22	.17	.15	.135
153702	SMH08	8	......22	.198	.158	.119
103393	SMH10	10	......24	.20	.16	.12
103377	SMH17	17	......28	.16	.14	.13
103369	SMH20	20	......30	.27	.248	.22
202825	SMH22	22	......39	.36	.29	.21
103351	SMH25	25	......40	.266	.224	.171
103342	SMH30	30	......42	.378	.30	.226
68339	SMH36	36	......44	.399	.357	.30
160882	SMH40	40	......61	.55	.51	.45

.100" Right Angle Double Row Male Headers



*Web Code: DAP

Part No.	Cross Ref. No.	Contacts	1	10	100	1000	
203908	923804DR	4	.....	\$.39	\$.35	\$.29	\$.23
203917	923806DR	6	.....	.45	.39	.35	.29
203924	923808DR	8	.....	.53	.49	.44	.33
203932	923810DR	10	.....	.75	.69	.62	.49
203959	923814DR	14	.....	.69	.65	.58	.43
203967	923816DR	16	.....	.78	.71	.64	.516
53575	923820DR	20	.....	.75	.70	.62	.55
53584	923826DR	26	.....	.75	.65	.53	.398
53605	923840DR	40	.....	.89	.79	.60	.53
53612	923850DR	50	.....	.95	.81	.62	.465
103413	923872DR	72	....	1.15	.99	.89	.75
139563	923880DR	80	.....	1.49	1.25	1.15	1.05

* Shunts Available Online — Enter Web Code LCU

* Jumpers Available Online — Enter Web Code GAQ



.100" (2.54mm) Pitch Headers/Connectors

*Web Code: VBS

- Current rating: 3A
- Contact resistance: 20mΩ initial max.
- Insulation resistance: 1000mΩ min.
- Contacts: (0.64mm) 0.025" square posts

Breakaway Headers

- Glass filled polyester, black, UL94V-0
- Volt. rating: 250VDC
- W/standing volt.: 500VAC/min.

Straight Single Row (Tin)

A: 0.286"; B: 0.100"; C: 0.118"

Part No.	Cross Ref. No.	Pos.	1	10	25	
686680	2556P12TL63	12	\$.37	\$.359	\$.343

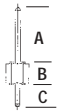
Straight Single Row (Gold & Tin)

A: 0.348"; B: 0.100"; C: 0.118" * Order in multiples of 10

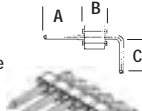
Part No.	Cross Ref. No.	Pos.	1	10	25
687148	2556P03JL62	3 (gold) ... *	\$.147		\$.129
687181	2556P07JL62	7 (gold) .37		.342	.337
687210	2556P10JL62	10 (gold) .45		.409	.368
687113	2556P36TL62	36 (tin) ... .90		.78	.74

Ⓢ Blue Part No. = Limited Quantity Available

NEW
MARKED IN PINK



Right Angle



Right Angle Single Row (Tin)

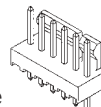
A: 0.348"; B: 0.100"; C: 0.118"

Part No.	Cross Ref. No.	Pos.	1	10	25
687295	2557P07TL39	7	\$.34	\$.304	\$.289

Solid Straight Friction Lock (TIN)

- Voltage rating: 250VAC
- Nylon 6/6, UL94V-2
- Withstanding voltage: 1000VAC/minute

Part No.	Cross Ref. No.	Pos.	1	10	25
687914	2571P09V000	9	..... \$ .53	\$.51	\$.488



.100" (2.54mm) Pitch SL™ Wire-to-Board Shrouded Headers, .120" Pocket

- Voltage: 250V
- Current: 3.0A
- Contact resistance: 15mΩ max.
- Insulation resistance: 1000MΩ min.
- Dielectric withstanding voltage: 1500V
- Housing: black glass filled PTC, UL94V-0
- Contact: phosphor bronze, 0.025" square

*Web Code: JCU



884627



884731

Single Row, Vertical, 15μ" Gold

Part No.	Product No.	Positions	1	10	100
884627	70543-0001	2	\$.77	\$.76	\$.66

Single Row, Rt. Angle Low Profile, 15μ" Gold

884731	70553-0001	2	\$.71	\$.61	\$.49
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.100" (2.54mm) Pitch SL™ Wire-to-Board Crimp Housings

- Housing: black glass filled polyester, UL94V-0

*Web Code: VDD



884301



884328

Single Row Version A, Non-polarized

Part No.	Product No.	Positions	1	10	100
884301	50-57-9002	2	\$.49	\$.46	\$.30

Single Row Version G, Positive Latch

884328	50-57-9402	2	.....	\$.38	\$.314	\$.274
884344	50-57-9403	3	.....	.27	.217	.192
884379	50-57-9404	4	.....	.42	.333	.282



Answering Your Questions

Our Tech Support Department is ready to answer any questions you may have.
Stumped on a project?

Give them a call at 1-800-831-4242.



PCB Connectors

- Accepts 0.025" square posts
- Voltage rating: 250VAC
- Contact resistance: 40mΩ max.
- Insulation material: nylon 6/6, UL94V-2
- Withstanding voltage: 1000VAC/min.

NEW
MARKED IN PINK

*Web Code: YBZ

Receptacle, Top Entry with Hooks (Tin/Brass)

Part No.	Cross Ref. No.	Pos.	1	10	25
688386	2405S08V000	8	.....\$ .73	\$.66	\$.62
688394	2405S09V000	9	......59	.54	.49

* For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 159.

molex® .100" (2.54mm) Pitch SL™ Crimp Terminals



- Volt.: 250V • Current: 3.0A
- Insulation resistance: 10,000MΩ min.
- Contact resistance: 15mΩ max.
- Contact: copper alloy

Plating:

- A: 30μ" gold in select area over 50μ" min. nickel overall w/ 75μ" tin in select area
- B: 15μ" gold in select area over 50μ" min. nickel overall with 75μ" tin in select area
- C: 150μ" tin over 50μ" nickel overall

★ Web Code: BCU

Female Crimp Pin (Bulk)

Order in multiples of 10

Part No.	Product No.	AWG	Plating	10	100
741685	16-02-0103	22-24	B	\$.083	\$.079

Female Crimp Pins (Reel)

741677	16-02-0086	22-24	C	\$.037	\$.035
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molex® KK® Series Hand Crimp Tool

- Works with KK series .100" crimp terminals
- Small handle spread which make this style tool ideally suited for end users
- Ratchet safety release that ensures consistent performance
- Precision end user friendly terminal locator wire stop holds terminals in the proper crimping position



Part No.	Product No.	Description	1	10
739518	11-01-0185	Hand crimp tool	\$224.59	\$224.57

AMP .098" (2.36mm) Post Header

Horizontal Mount

- Housing: 6/6 nylon, UL94V-0
- Posts: brass/tin



Part No.	Product No.	Position	1	10	100
742320	171826-4	4	\$.52	\$.49	\$.46

More Product Information

Compare products online to quickly find the products you want with real time product availability and specifications. Purchasing products has never been easier.



♣ This product typically requires one to two additional days to ship. Please request "ship partial" if you prefer the other products on your order ship immediately. A separate shipping charge would apply.

★ For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

♣ RoHS compliant product

⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Details on page 159.

molex® KK® Series .100" (2.54mm) Female Housings

- Contact resistance: 20mΩ max.
- Insulation resistance: 50kMΩ
- Dielectric withstanding volt.: 1500VAC
- Voltage: 250V

Housing Material:

- Contact retention to housing: 8 lbs. min.
- Contact insertion force: 1.5 lbs. max.
- Housing: nylon, UL94V-0
- Operating temperature: 0 to 75°C

★ Web Code: LBN



Housing w/Locking Ramp

QUANTITY SAVE

Part No.	Product No.	Positions	1	10	100
234704	22-01-2027	2	\$.20	\$.165	\$.11
234712	22-01-2037	3	\$.29	\$.20	\$.12
234721	22-01-2047	4	\$.24	\$.219	\$.146
234739	22-01-2057	5	\$.33	\$.28	\$.17
234747	22-01-2067	6	\$.37	\$.261	\$.216
234771	22-01-2107	10	\$.61	\$.53	\$.398

Housing with Locking Ramp & Polarizing Ribs

Part No.	Product No.	Positions	1	10	100
234798	22-01-3027	2	\$.26	\$.19	\$.11
234801	22-01-3037	3	\$.22	\$.188	\$.141
234819	22-01-3047	4	\$.33	\$.287	\$.188
234827	22-01-3057	5	\$.36	\$.314	\$.21
234835	22-01-3067	6	\$.44	\$.30	\$.28
234851	22-01-3087	8	\$.57	\$.50	\$.334
234878	22-01-3107	10	\$.69	\$.59	\$.443

molex® KK® Series .100" (2.54mm) Crimp Terminals

- Current: phosphor bronze – 4.0A max., brass – 2.5A max.
- Insulation range: 0.062" (1.58mm) diameter max.
- Accommodates 22 to 30 AWG
- Material: 736456/736501/234923/234931: brass; 736595/462969/463005: phosphor bronze



Bulk

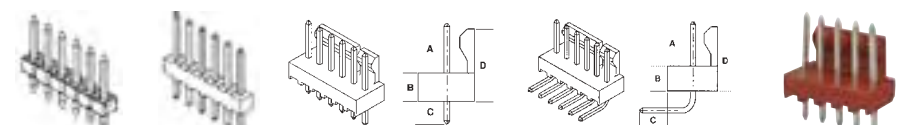
★ Web Code: JCT

Order in multiples of 10

Part No.	Product No.	Plating	10	100	1000
736456	08-50-0005	Tin/copper	\$.127	\$.106	\$.093
736501	08-50-0113	Tin	\$.11	\$.097	\$.086
234923	08-50-0114	Tin	\$.065	\$.048	\$.029
234931	08-55-0102	15μ" gold	\$.22	\$.17	\$.11
736595	08-52-0123	Tin	\$.09	\$.077	\$.07
462969	08-65-0805	Tin (cat ear)	\$.119	\$.106	\$.088
463005	08-65-0816	15μ" gold	\$.176	\$.168	\$.159

molex® KK® Series .100" (2.54mm) Male Headers

★ Web Code: GBN



Breakaway Vertical

Straight Solid

Straight Friction Lock

Right Angle Friction Lock

232291

- Dielectric withstanding voltage: 1500V
- Insulation resistance: 50,000MΩ min.
- Contact: brass, 0 – 6.4mm (0.25") square
- Durability: 100 cycles max. (tin: 25 cycles max.)
- Housing: nylon, UL94V-0
- Current: 4.0A
- Volt.: 250V

QUANTITY SAVE



Breakaway Header Vertical

- Dimensions: (A) .740"; (B) .100"; (C) .125"
- Phosphor bronze

Order in multiples of 5

Part No.	Product No.	Positions	5	50
879406	22-28-4020	2 (tin)	\$.223	\$.167

Straight Friction Lock Headers (Gold)

- Dimensions: (A) .295"; (B) .125"; (C) .140"; (D) .322"

Part No.	Product No.	Positions	1	10	100
233584	22-11-2022	2	\$.54	\$.46	\$.29
233592	22-11-2032	3	\$.87	\$.77	\$.51
233621	22-11-2062	6	1.35	1.20	\$.66

Straight Friction Lock Headers (Tin)

- Dimensions: (A) .295"; (B) .125"; (C) .140"; (D) .322"

Part No.	Product No.	Positions	1	10	100
232266	22-23-2021	2	\$.29	\$.23	\$.15
232274	22-23-2031	3	\$.32	\$.285	\$.185
232282	22-23-2041	4	\$.42	\$.36	\$.23
232291	22-23-2051	5	\$.49	\$.432	\$.291
232303	22-23-2061	6	\$.56	\$.49	\$.32
232320	22-23-2081	8	\$.73	\$.64	\$.43
232338	22-23-2091	9	\$.80	\$.71	\$.47
232346	22-23-2101	10	\$.80	\$.71	\$.53
232354	22-23-2121	12	\$.94	\$.83	\$.56

Straight Friction Lock Headers (Tin)

- Dimensions: (A) .295"; (B) .125"; (C) .140"; (D) .460"

Order in multiples of 5

Part No.	Product No.	Positions	5	50
879254	22-27-2021	2	\$.283	\$.272
879271	22-27-2031	3	\$.301	\$.235
879300	22-27-2041	4	\$.46	\$.44
879342	22-27-2061	6	\$.378	\$.353

Straight Friction Lock Header (Gold)

- Dimensions: (A) .295"; (B) .165"; (C) .140"; (D) .460"

Part No.	Product No.	Positions	1	10	100
879588	22-29-2021	2	\$.43	\$.391	\$.371

Right Angle Friction Lock Headers (Tin)

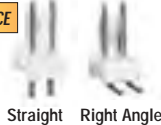
- Dimensions: (A) .260"; (B) .125"; (C) .141"; (D) .322"

Part No.	Product No.	Positions	1	10	100
233437	22-05-3021	2	\$.42	\$.36	\$.22
233445	22-05-3031	3	\$.51	\$.49	\$.37
233453	22-05-3041	4	\$.55	\$.423	\$.317
233461	22-05-3051	5	\$.77	\$.66	\$.495
233470	22-05-3061	6	\$.85	\$.74	\$.48
233496	22-05-3081	8	1.19	1.09	\$.73

AMP MTA-100 .100" (2.54mm) Solid Headers

- 0.025" square posts
- Tin-plated
- Housing: nylon UL94V-0 rated, white polyester
- Posts: copper alloy, tin plated

* Web Code: FCE



Straight Friction Lock

* Order in multiples of 10

Part No.	Product No.	Positions	1	10	100
613931	640456-2	2	.....	.....	.....
613940	640456-3	3	.....	.....	.....

AMP MTA-100 .100" (2.54mm) IDC Connectors

- Voltage rating: 250VAC
- Current rating: 5A
- Low-level resistance: 6mΩ max. initial
- Dielectric withstand: 750VAC/1 min.
- Insulation resistance: 50kMΩ min.
- Contacts: phosphor bronze, tin-plated

* Web Code: CCV



Closed-End Style

Without Polarizing Tabs w/ Locking Ramp

* Order in multiples of 10

Part No.	Product No.	Pos.	AWG	Color	1	10
750830	3-640440-2	2	22	Red	.....	.....
524710	640440-4	4	22	Red	.....	.....
524681	1-640440-2	12	22	Red	.....	.....

AMP T-Handle Tool

- For .100" (2.54mm) IDC connectors



Part No.	Product No.	Description	Price
365974	59803-1Z	.100" hand tool	\$20.89

JAMECO ValuePro Extraction Tool

- For Micro-Fit Connectors
- Length: 3.0"

JAMECO EXCLUSIVE



Part No.	Cross Ref. No.	1	5
338669	11-03-0043	.....	.....

JAMECO ValuePro Crimp Tool

- For Micro-Fit Connectors
- Length: 8.25"



JAMECO EXCLUSIVE

Part No.	Cross Ref. No.	1	5	10
338678	HT-225D	.....	.....	.....

* Tools — Enter Web Code VBW

AMP .156" (3.96mm) Female Housing

- With locking ramp
- Voltage/current rating: 250VAC @ 6.5A max.
- Material: nylon, unreinforced 94V-0
- Dielectric withstanding voltage: 2kVAC
- Insulation resistance: 1,000MΩ min.
- Hole diameter: .054" (1.37mm)
- Dimensions: (A) .660"; (B) .250"; (C) .100"; (D) .0365"



* Web Code: QBN

Part No.	Product No.	Positions	1	10	100
236224	1-640250-0	10	.....	.....	.....

♣ This product typically requires one to two additional days to ship. Please request "ship partial" if you prefer the other products on your order ship immediately. A separate shipping charge would apply.

* For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above



.118" (3.0mm) Dual Row Micro-Fit Connectors

Molex Micro-Fit 3.0™ Series Value Equivalents

* Web Code: UBW

Dual Row Crimp Housing

- Fully isolated contacts
- Contacts: tin or 30μ" gold plating over phosphor bronze
- Contact resistance: 10mΩ (max.)
- Fully polarized
- Voltage/current rating: 250V @ 5.0A (max.)
- Black
- Mates with 43020 and 43045 series
- Wire to wire



Fig. 1



Fig. 2



Fig. 3

Receptacle (Fig. 1)

Part No.	Cross Ref. No.	Positions	1	10	100
337674	43025-0400	4	.....	.....	.....

Plugs - Free Hanging (Fig. 2)

Part No.	Cross Ref. No.	Positions	1	10	100
337631	43020-0801	8	.....	.....	.....

Female & Male Contacts

Type*: 1: female 2: male

- A: tin plating over phosphor bronze
- B: 30μ" select gold over nickel over phosphor bronze
- Order in multiples of 10

Part No.	Cross Ref. No.	AWG	Type*	10	100
337720	43030-0007	20-24	1A	.....	.....
337738	43030-0009	20-24	1B	.....	.....
337762	43031-0007	20-24	2A	.....	.....

KK® Series .156" (3.96mm)

Pitch Crimp Terminal

Housings & Locking Headers

- Voltage: 250VAC
- Housing: nylon, UL94V-2
- Dielectric w/standing volt.: 1500VAC

* Web Code: JDL

Housing With Locking Ramp (KK Series 2139)

- Current: brass - 5A max.; phosphor bronze - 7A max.;
- Contact resistance: 6mΩ max.
- Insulation resistance: 50kMΩ min.

Part No.	Product No.	Positions	1	10	100
463523	09-50-3121	12	.....	.....	.....

Solid Headers with Vertical Friction Lock (KK Series 41791)

- Contact resistance: 6mΩ max.
- Insulation resistance: 50k MΩ min.
- Housing: polyester, UL94V-0
- Contacts: brass
- Current: 7A

Tin

Part No.	Product No.	Positions	1	5	100
879861	26-60-4020	2	.....	.....	.....
879887	26-60-4030	3	.....	.....	.....
879908	26-60-4040	4	.....	.....	.....
879941	26-60-4060	6	.....	.....	.....
880036	26-60-4100	10	.....	.....	.....

Crimp Terminals

- Female
- .110" max. wire insulation
- For 2139 & 3069 series (above)
- Plating: A: brass/tin; B: phosphor bronze/tin; C: brass/20μ" gold
- Order in multiples of 10

Part No.	Product No.	Plating	AWG	10	100
736472	08-50-0105	A	18-20	.....	.....
736481	08-50-0106	A	18-20	.....	.....
736552	08-52-0071	B	18-20	.....	.....
736561	08-52-0072	B	18-20	.....	.....
736659	08-56-0106	C	18-20	.....	.....



Fig. 1



Fig. 2



Fig. 3

Female (1B)

Male (2A)

Dual Row PCB Headers

- Surface mount compatible with PCB polarizing pegs
- Fully polarized to mating receptacle
- Black

Right Angle w/ Snap-In Plastic Peg - Tin (Fig. 3)

Part No.	Cross Ref. No.	Positions	1	10	100
338212	43045-1200	12	.....	.....	.....
338571	43045-1400	14	.....	.....	.....

Vertical Thru Hole - Tin (Fig. 3)

Part No.	Cross Ref. No.	Positions	1	10	100
337922	43045-0212	2	.....	.....	.....

molex® .118" (3.0mm) Pitch Micro-Fit 3.0™ Connectors

Female Crimp Terminal

- Type B phosphor bronze;
- 40μ" minimum tin

Order in multiples of 10

Part No.	Product No.	AWG	10	100
883093	43030-0007	20-24	.....	.....

Dual Row Receptacles

- Fully isolated contacts
- Housing: polyester, UL94V-0
- Positive latching to mating headers
- Fully polarized to mating headers
- Integral pull tabs for ease in unmating



* Order in multiples of 10

Part No.	Product No.	Pos.	1	10	100
882867	43025-0200	2	.....	.....	.....
882921	43025-0800	8	.....	.....	.....
882963	43025-1200	12	.....	.....	.....
883026	43025-1800	18	.....	.....	.....

* Molex Connectors — Enter Web Code GBX

AMP .156" Crimp Contacts

- Voltage rating: 250VAC
- Current rating: 10A max.
- Low level resistance: 30mΩ max.
- Insulation resistance: 1000MΩ minimum
- Dielectric withstanding voltage: 2000VAC/1 min.
- Compatible with .045" square or round posts
- Material & finish*: A: brass, 0.012" bright tin plated; B: brass, 0.012" pre-tin plated
- For use with .156" AMP housings (see web)
- Order in multiples of 10



* Web Code: XBP

Part No.	Product No.	Desc.*	AWG	10	100	500
248866	640706-1	A	18-24	.....	.....	.....
248874	640706-2	B	18-24	.....	.....	.....

* Lock Headers Available Online — Enter Web Code HDL

molex® KK® Series .156" (3.96mm) Trifurcon™ Crimp Terminals

- Material: brass/tin
- P/N 462774: cat ear
- Order in multiples of 10

*Web Code: NBV

Part No.	Product No.	AWG	10	100
462774	08-50-0165	18-20	\$.128	\$.108
736587	08-52-0113	18-20	.055	.052

JAMECO ValuePro .156" (3.96mm) Straight-Friction Lock Header

- Voltage rating: 250VAC/VDC max.
- Current rating: 7 amps AC/DC
- Contact resistance: 20mΩ
- Temperature range: -25° to +85°C
- Header material: pin-tin-plated brass
- Base: nylon 66, UL94V-2

*Web Code: EAN

Part No.	Cross Ref. No.	Pins	1	10	100	1000
104846	LMH10	10	\$.33	\$.28	\$.20	\$.15

JAMECO ValuePro .156" Center Housing Crimp Contact

*Web Code: RBL

- Current rating: 10A AC/DC
- Volt. rating: 250V AC/DC
- Finish: tin-plated
- Material: brass
- Mating connectors for Mean Well LPS and LPP series power supplies (pg 98)

* Order in multiples of 10

Part No.	Description	1	10	100	1000
227416	Crimp contact	\$.288	\$.24	\$.18	

JAMECO ValuePro .156" (3.96mm) Center Housing Connectors

- Common to many power supplies carried by Jameco. Some power supplies (pgs 96-99) may require multiple connectors
- Housing material: nylon 66, UL94V-2
- Use w/ crimp pins, 78319, below

*Web Code: DAN

Part No.	Cross Ref. No.	Pins	1	10	100	1000
104433	LCH3	3	\$.23	\$.207	\$.165	\$.124
104716	LCH4	4	\$.25	.22	.176	.132
104723	LCH5	5	\$.22	.203	.18	.135
104731	LCH6	6	\$.27	.242	.212	.159
104766	LCH10	10	\$.60	.54	.44	.33

Center Crimp Pin

*Web Code: YAJ

- 18-24 AWG
- Material: brass/tin plated
- Order in multiples of 10

Part No.	Cross Ref. No.	10	100	1000
78319	JS-5001-T	\$.11	\$.08	\$.07

AMP AMPMODU™ Pin & Receptacle Contacts

Standard Pressure Receptacle Contacts (MOD IV)

- Plating:
A: preplated 50µ" ~ 150µ" bright tin;
B: 15µ" gold in contact area, 100µ" ~ 200µ" bright tin lead, all over 50µ" nickel
- Material: phosphor bronze

*Web Code: GBG

Part No.	Product No.	Plating	1	10
527486	87523-6	A	\$.21	\$.16
527419	1-87523-6	B	.29	.25

molex® .165" (4.19mm) Mini-Fit Jr.™ Contacts

- Voltage: 600V
- Current: 9A
(†12A current rating)
- Contact resistance: 10mΩ max.
- Dielectric withstanding voltage: 1500V
- Insulation resistance: 1000MΩ min.
- Material:
*A: Brass (pre-plated tin over copper)
*B: Brass or copper (post-plated tin over nickel)
*C: Phosphor bronze (pre-plated gold over nickel)

*Web Code: DBU

Female Contacts

* Order in multiples of 10

Part No.	Product No.	Desc.	* AWG	1	10	100
304733	39-00-0039	A	18-24	\$.077	\$.071	
304750	39-00-0182	C	18-24	.65	.51	.46
304776	44476-1112	T B	18-24	.25	.19	.15
304872	39-00-0047	A	22-28	.20	.14	.096

JAMECO ValuePro .165" (4.19mm) Mini-Fit Jr.™ Equivalent Contacts

*Web Code: CBX

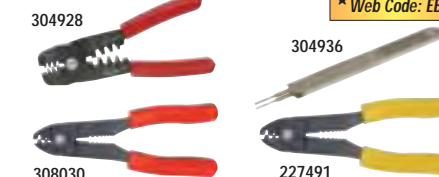
- * Fig. 1 (Male)
- * Fig. 2 (Female)
- Type*: A: Tin over nickel over brass
B: 15µ" gold over nickel over brass
C: 30µ" gold over nickel over brass
D: Tin over nickel over phosphor bronze
E: 30µ" gold over nickel over phosphor bronze

* Order in multiples of 10

Part No.	Cross Ref. No.	AWG	Type*	1	10	100
401859	39-00-0076	18-24	1B	\$.39	\$.353	\$.316
365835	39-00-0168	16	2C	.49	.44	.37
401736	39-00-0170	18-24	2B	.40	.376	.357
365851	39-00-0182	18-24	2E	.46	.388	.291
365827	39-00-0186	16	2E	.46	.39	.293
401701	39-00-0208	18-24	2A	*.085	.071	
401699	39-00-0210	22-28	2A	*.04	.03	
401710	39-00-0212	16	2A	*.103	.098	
401779	39-00-0218	16	2D	*.13	.118	

Hand Tools for Mini-Fit Jr.

*Web Code: EBU



304928: Crimp tool wire range from 14-24 AWG

304936: Extraction tool

308030: Cuts & strips 14-24 AWG wires

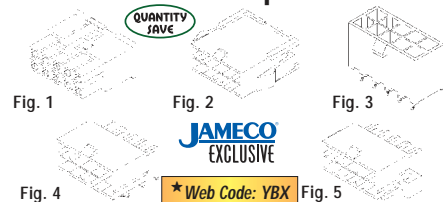
227491: Cuts & strips 18-30 AWG wires

Part No.	Product No.	1	5
304928	63811-1000 (Molex)	\$48.05	\$43.48
304936	11-03-0044 (Molex)	17.49	15.95
308030	W-HT-1919, 8.3"L (Red)	14.99	13.99
227491	W-HT-1921, 8.3"L (Yellow)	14.99	13.99

*Terminal Housings Online — Enter Web Code EAF

*.197" Socket Connectors Online — Enter Web Code BAJ

.165" (4.19mm) Connectors – Molex Mini-Fit Jr.™ Value Equivalents



- Low profile design to accommodate height constraints
- Fully isolated terminals to protect contacts from damage
- Positive locking housings
- Contact resistance: 10mΩ
- Temp.: -40°C to +150°C
- Housing: 6/6 Nylon natural
- Pitch: 0.165" (4.2mm)
- Current: up to 9A
- Voltage: 600V
- UL rating: 94V-2

Molex 5557 Series — Connector Equivalents

Receptacles, Dual Row

Part No.	Cross Ref. No.	Fig.	Positions	1	10	100
364736	39-01-2020	1	2	\$.34	\$.30	\$.225
364744	39-01-2040	1	4	.27	.24	.18
364752	39-01-2060	1	6	.41	.30	.225
364761	39-01-2080	1	8	.49	.45	.38
364787	39-01-2120	1	12	.73	.65	.48
364795	39-01-2140	1	14	.69	.51	.38
364841	39-01-2240	1	24	1.27	1.14	.77

Molex 5559 Series — Connector Equivalents

Plugs - Panel Mount w/ Ears, Dual Row

Part No.	Cross Ref. No.	Fig.	Positions	1	10	100
364867	39-01-2041	2	4	\$.40	\$.38	\$.285
364904	39-01-2121	2	12	.59	.532	.355

Molex 5566 Series PCB Header Equivalents

Vertical Dual Row w/o Pegs & Drain Holes – Tin

Part No.	Cross Ref. No.	Fig.	Pos.	1	10	100
364963	39-28-1083	3	8	\$1.47	\$1.24	\$.89
364971	39-28-1103	3	10	1.75	1.52	.99
365042	39-28-1243	3	24	4.19	3.48	2.45

Vertical Dual Row w/o Pegs & Drain Holes – Gold

Part No.	Cross Ref. No.	Fig.	Pos.	1	10	100
365085	39-29-0103	3	8	\$2.75	\$2.34	\$1.76

Molex 5569 Series PCB Header Equivalents

Right Angle Dual Row w/ Pegs – Tin

Part No.	Cross Ref. No.	Fig.	Pos.	1	10	100
365181	39-30-1040	4	4	\$.73	\$.66	\$.57
365190	39-30-1060	4	6	1.04	.86	.69
365202	39-30-1080	4	8	.88	.84	.64
365211	39-30-1100	4	10	1.29	1.05	.89
365229	39-30-1120	4	12	1.19	.99	.83

Right Angle Dual Row w/ Flanges – Tin

Part No.	Cross Ref. No.	Fig.	Pos.	1	10	100
365552	39-29-1248	5	24	\$2.35	\$2.19	\$1.63

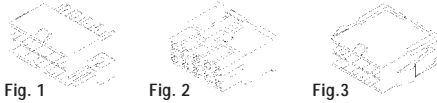
Web Enabled Catalog

Simplify your product search by entering web codes above online at www.Jameco.com/More for additional product listings and specifications.

*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 159.

molex® .165" (4.19mm) Mini-Fit Jr.™ Connectors



- Fully isolated terminals to protect contacts from damage
- Use with strain relief or overmold applications
- Positive housing lock for secure mating retention
- Uses standard Mini-Fit series terminals
- Housing: 6/6 nylon natural, UL 94V-2 rated
- UL/CSA/TUV approved

Single and Double Row Headers

- Contact resistance: 10mΩ max. • 600V
- Dielectric withstanding voltage: 1500VAC
- Insulation resistance: 1000MΩ min.
- Contact: brass or phosphor bronze

Rt Angle Header Dual Row w/ Flange Gold Plated 30μ"

Part No.	Product No.	Fig.	Pos.	1	10	100
304451	39-29-5043	1	4	..	\$2.25	\$1.68 \$1.26

Double Row Receptacles (UL94V-2)

Part No.	Product No.	Fig.	Pos.	1	10	100
303562	39-01-2020	2	2	..	\$.34	\$.321 \$214
303571	39-01-2040	2	4	....	.41	.366 .244
303589	39-01-2060	2	6	....	.319	.271 .203
303597	39-01-2080	2	8	....	.54	.459 .344

* Not for use with strain relief

Double Row Plugs

Panel Mount Plugs w/ Mounting Ears (UL94V-2)

Part No.	Product No.	Fig.	Pos.	1	10	100
303685	39-01-2021	3	2	..	\$.45	\$.398 \$265
303693	39-01-2041	3	4	....	.47	.40 .30

.098" (2.49mm) Pitch AT Power Connector

- Voltage rating: 250V AC/DC
- Current rating: 7A AC/DC
- Temperature range: -25°C to 85°C
- Withstanding volt.: 1500V/min.
- Insulation resistance: 1000MΩ min.
- For use with motherboards and power supplies
- Size: 0.94"L x 0.25"W x 0.74"H • Material: nylon

Part No.	Description	1	10	100
78327	6-pin female housing	..	\$.47	\$.45 \$41

.118" Pitch ATX Power Terminal Pin

- Current rating: 7A AC/DC
- Temp range: -25°C to 85°C
- Size: 0.59"L x 0.068" Dia.
- Use w/ 147387, see web

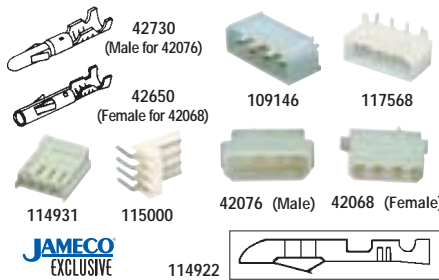
Part No.	Product No.	1	10	100
147395	Power terminal pin	..	\$.12	\$.11

Extraction Tools for Crimp Pins

- Quickly and easily extract .093" locking pins from interlocking connectors
- Length: 5" • See right for crimp pins
- 131887: Male tool for 42730, above right
- 131879: Female tool for 42650, above right

Part No.	Product No.	1	10
131887	HT319C	..	\$13.45 \$12.25
131879	HT319B	..	14.15 10.64

JAMECO ValuePro Power Connectors & Pins



Connector & Housing Specifications:

- Voltage rating: 250VAC (Mate-N-Lock 600VAC)
- Operating temperature: -55°C to +105°C

Crimp Pin Specifications:

- Material: tin plated brass • Current rating: 1.5 amps
- Wire size range: 18-24 AWG
- Use crimp tool P/N 99443, pg 142

For 5.25" Disk Drives and Power Supplies

42076 & 42068 Connector Housings:

- External key bar indicates pin 1
- See below for extraction tools, P/Ns 131887 & 131879
- Keyed mating connectors
- 0.200" pitch
- Order in multiples of 10

Part No.	Description	10	100	1000
109146	4-pin M vert. PCB mtg	..	\$.68	\$.61 \$55
117568	4-pin M PCB mtg, horiz. edge mnt	..	.85	.72 .54
42076	4-pin M housing	..	.12	.11 .10
42068	4-pin F housing	..	.198	.158 .119
42730	M crimp pin for 42076	..	.112	.078 .067
42650	F crimp pin for 42068	..	.10	.07 .06

For 3.5" Disk Drives and Power Supplies

- 0.100" pitch

Part No.	Description	10	100	1000
114931	4-pin F housing	..	\$.21	\$.19 \$15
114922	F crimp pin for 114931	..	.117	.101 .085
Part No.	Description	1	10	100
115000	4-pin M rt. angle PCB mounting	..	\$.35	\$.33 \$31

.100" (2.54mm) Female Header Receptacles

- Gold plated contacts
- 0.1" contact center

Right Angle Mount (Side Entry)

Part No.	Contacts	Type	1	10	100	500	
71159	20	Double row	..	\$1.79	\$1.59	\$1.43	\$1.23

Vertical Mount (Top Entry)

Part No.	Contacts	Type	1	10	100	500
70755	8⚡	Single row	\$.67	\$.63	\$.56	\$.47
200782	12⊕	Single row .....	.99	.74	.56	.522
308592	16⚡	Single row .....	.67	.55	.36	.28
308567	20⚡	Single row .....	.75	.69	.57	.37
70720	16⊕	Double row .....	.89	.79	.72	.65
70827	20⚡	Double row ...	1.19	1.07	.86	.64
105057	30⚡	Double row ...	1.09	.98	.88	.66
111705	40⚡	Double (Tin) ..	1.42	1.27	1.09	.98

Great Prices on Special Buys from Other Mfrs.

163862	34	Double row	\$1.05	\$.94	\$.85 \$64
--------	----	------------	--------	-------	------------

.100" (2.54mm) Straight Male Headers

With Standard Latch

Double Row

- 0.1" contact center
- Mount vertical
- Keying slot
- Use with IDC socket connectors, pg 63

Part No.	Description	Mfr.	1	10	100	500
117664	10-pin ^R	Jameco VP	\$1.55	\$1.38	\$1.18	\$.73
71830	20-pin ^R	Jameco VP	1.65	1.42	1.28	1.14
71933	26-pin [⊕]	Jameco VP	1.59	1.49	1.34	1.19
72216	50-pin ^R	Jameco VP	1.89	1.70	1.54	1.39
1928169	16-pin	On Shore	....79	.65	.49	.39
1928177	34-pin	On Shore	....89	.69	.55	.45
1928185	34-pin [†]	On Shore	....89	.69	.55	.45

† right angle

.100" (2.54mm) Low Profile Keyed Shrouded Headers and Connectors

CD-ROM 4-Pin Headers and Connectors



- Pin material: tin-plated brass
- Insulation resistance: 1000MΩ min.
- Connector material: PBT, 30% glass
- Volt. rating: 250VAC/DC • Current rating: 3A AC/DC
- Header material: PBT + 30% glass
- Withstanding volt.: 1000VAC/1 min.
- Recommend crimp tool P/N 99443, pg 142

		* Order in multiples of 10			
Part No.	Description	1	10	100	1000
152741	Straight header ☺ ..... \$	.49	.45	.39	.35
152726	Rt. angle header ⚡ ..... \$	.59	.55	.50	.45
152734	Single w/ latch ⚡ ↑ ..... \$	.47	.43	.39	.31
181673	Female pins ☺ *	.11	.088	.066	

† P/N 152734 requires 4 pins (P/N 181673)

.100" (2.54mm) Low Profile Male Shrouded Headers

Straight Male Headers

- Rating: 1A (max.) @ 250VDC
- Contact resistance: 15mΩ max.
- Features: UL recognized CSA certified; 0.025" square post mates with sockets on 0.100" x 0.100" grid
- Contact: phosphor bronze, gold plated
- Use with IDC socket connectors, pg 63

Part No.	Description	1	10	100	1000
67812	10-pin \ominus	\$.47	\$.41	\$.38	<u>\$.33</u>
68179	16-pin \oplus .....	.44	.40	.34	.255
68292	20-pin \ominus .....	.55	.505	.419	.314
68372	26-pin \ominus .....	.59	.437	.364	.219
68582	34-pin \oplus .....	.95	.78	.56	.372
181105	40-pin \ominus	1.49	1.17	.88	.61

* Latch DIP Plugs Online — Enter Web Code EAQ

*.200" Drive Power Connectors & Crimp Terminals Available Online — Enter Web Code ABU

*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 159.

Order by Phone 24/7 at 1-800-831-4242 or Online at www.Jameco.com

Ribbon Cable Connectors, Housings & Crimp Pins

3 LEVELS OF SAVINGS
FRANCHISE SOURCED
GENERIC HOUSE BRANDS
FACTORY OVERRUN

AMP .100" (2.54mm) AMPLATCH™ Ribbon Connectors

Low-Profile Shrouded Headers w/ 0.150" End Dimension, Dual Row

- 0.120" solder tail • 0.025" square posts
- Housing: black thermoplastic, UL94V-0 rated
- Contact: phosphor bronze

Contact Plating:

- A: 30µ" gold in contact area, 100µ" ~ 200µ" tin/lead on solder tail, all over 50µ" nickel;
B: 30µ" gold on mating area, 100µ" min. tin on solder end, all over 50µ" nickel;
C: 15µ" gold in contact area, 100µ" ~ 200µ" tin/lead on solder tail, all over 50µ" nickel;
D: 15µ" min. gold on mating area, 100µ" min. tin on solder end, all over 50µ" on entire post;
E: copper alloy, duplex plated, 30µ" gold on contact area, 100µ" tin lead on solder area;
F: 30µ" gold, 100µ" tin-lead on solder tail



AMP .100" (2.54mm) AMPLATCH™ IDC Ribbon Connectors



525317



525376

NOVO Receptacles

- Preassembled housing with cover
- Accepts 28-26AWG solid or stranded cables
- Contact current rating: 1A continuous
- Housing, cover: 94V-0 rated thermoplastic, black
- Contacts: phosphor bronze, duplex plating
- Insulation displacement contacts for fast, economical mass terminations
- Dielectric withstanding voltage: 1000V

Contact Plating:

- A: 30µ" gold on localized gold plate area, 50µ" min. tin on termination end;
B: 15µ" gold on localized gold plate area, 100µ" ~ 200µ" tin on termination end;
C: 15µ" gold on localized gold plate area, 100µ" ~ 200µ" tin lead termination end, all over 50µ" min. nickel on entire area;
D: 30µ" gold on localized gold plate area, 100µ" ~ 200µ" bright tin lead on termination end, all over 50µ" nickel on entire contact area;
E: 15µ" gold on localized gold plate area, 50µ" min. tin on termination end, all over 50µ" nickel on entire contact area

Center and Military Polarized

Part No.	Product No.	Pos.	Plating	1	10	100
901642	1658622-1	10	A	\$1.55	\$.96	\$.87
525309	746285-1	10	C	1.29	1.19	1.09
742215	1658621-1	10	B	1.15	.97	.90
525317	746285-2	14	C	1.69	1.47	1.36
525325	746285-3	16	C	1.49	1.35	1.25
525333	746285-4	20	C	1.45	1.38	1.33
901482	1658621-4	20	B	1.79	1.27	1.12
525413	746288-6	26	D	1.59	1.46	1.31
901520	1658621-6	26	E	3.09	1.61	1.46
525341	746285-6	26	C	1.46	1.39	1.35
525350	746285-8	34	C	1.99	1.63	1.47
525368	746285-9	40	C	2.25	2.19	2.16
525376	1-746288-0	50	D	3.15	2.84	2.62

PANAVISE IDC Bench Press and Cable Cutter

Designed for low to medium volume mass termination of various IDC connectors on flat ribbon cable.

Part No.	Prod. No.	Description	Wt. (lbs.)	1	10
27174	M505	Bench press	7.0	\$169.95	\$149.95

M505 Accessories

Part No.	Prod. No.	Description	Wt. (lbs.)	1	10
27182	M507	Cable cutter	0.9	\$63.95	\$59.95
27203	M510	Base plate	0.5	29.75	27.95

IDC Connector Crimping Tool

- Use for IDC socket connectors
- Crimping distance: 27.5mm to 6mm (with attachment)
- Size: 9.2"L x 3.0"W • Weight: 1.1 lbs.

Part No.	Product No.	1	10	25
73252	HT214	\$15.95	\$14.39	\$12.95

3M .100" (2.54mm) IDC Wiremount Socket Connectors

0.100" x 0.100" for 0.050" Pitch Cables

- Insulation: glass filled polyester (PBT), gray, UL94V-0
- 100µ" nickel underplating & U-slot; 30µ" gold wiping area
- Copper alloy contacts
- Current rating: 1A
- Withstanding voltage: 1000V_{RMS}
- Insulation resistance: 1MΩ @ 500VDC
- Accepts 26-28AWG solid or stranded wires
- Open end, center bump, military



3000 Series With Strain Relief

Part No.	Product No.	Positions	1	10	50
1576407	3421-6620	20	\$3.99	\$3.36	\$3.10

7000 Series Without Strain Relief

Part No.	Product No.	Positions	1	10	50
1577864	7964-6500	64	\$9.05	\$8.22	\$7.65

8000 Series With Strain Relief

- Contact: phosphor bronze, 30µ" nickel underplating
- Without center bump

Part No.	Product No.	Positions	1	10	100
1578074	89110-0001	10	\$.96	\$.80	\$.77

JAMECO ValuePro .100" (2.54mm) Non-Polarized Connector Housings & Crimp Pins



- Mates with 0.025" square post on pattern of 0.100" centers (male headers, pg 57)
- Current rating: 1A • Housing material: plastic
- Pin material: brass/tin plated • 26-22 AWG
- Temperature rating: -55°C to +105°C
- Use 159266 pin crimper, pg 143 & 100766 crimp pin

Single Row

Part No.	Cross Ref.	Contacts	1	10	100	1000
100812	SCH2	2	\$.26	\$.23	\$.21	\$.17
157383	SCH3	3	.27	.24	.22	.18
100803	SCH4	4	.31	.28	.26	.195
163686	SCH5	5	.39	.35	.33	.29
103212	SCH6	6	.45	.40	.38	.28
103203	SCH8	8	.39	.35	.281	.21
103191	SCH10	10	.42	.39	.36	.31
103182	SCH20	20	.59	.53	.425	.318
103158	SCH36	36	.54	.50	.433	.389

Double Row

Part No.	Cross Ref.	Contacts	1	10	100	1000
103254	DCH8	8	\$.59	\$.53	\$.45	\$.39
157421	DCH10	10	.69	.62	.55	.413
157438	DCH14	14	.73	.71	.69	.62
103238	DCH16	16	.87	.78	.70	.64
103230	DCH20	20	.99	.89	.72	.54
157462	DCH40	40	1.29	1.09	.99	.79
157472	DCH50	50	.65	.59	.47	.35

Crimp Pins for Single/Double Row Housings

Part No.	Cross Ref.	Contacts	10	100	1000
100766	FCH1	Female pin	\$.16	\$.127	\$.083
145358	MCH1	Male pin	.15	.135	.12

Straight (no latch)

Part No.	Product No.	Pos.	Plating	1	10	100
496051	103309-1	10	A	\$.67	\$.65	\$.56
850216	5103308-1	10	D	1.03	.81	.74
737715	103309-2	14	A	.97	.92	.87
753571	5103309-2	14	B	1.35	1.23	.98
496093	103309-5	20	A	1.65	1.48	1.36
496085	103308-5	20	C	1.30	1.25	1.12
496296	103308-6	26	C	1.49	1.28	.96
850275	5103308-6	26	D	1.55	1.19	1.09
737723	103309-7	34	A	2.15	1.84	1.51
739817	1-103308-0	50	C	1.99	1.79	1.53

Right Angle (no latch)

Part No.	Product No.	Pos.	Plating	1	10	100
737740	103310-2	14	C	\$.93	\$.88	\$.84
737774	103310-6	26	C	1.95	1.76	1.41
739833	1-103310-0	50	C	3.85	3.25	2.45

Straight (with long latch)

Part No.	Product No.	Pos.	Plating	1	10	100
738822	104128-3	16	E	\$3.49	\$3.04	\$2.76
738831	104128-4	20	E	4.55	3.97	3.61
738988	104313-4	20	E	2.69	2.54	2.52

Universal Ejection Style Pin Header Assembly (Military, Center & Dual Polarized)

- 0.110" post length • Brass
- Housing: glass filled nylon or polyester

Part No.	Product No.	Pos.	Plating	1	10	100
736974	102154-6	26	F	\$2.99	\$2.38	\$2.13

AMP .100" (2.54mm) MTE Interconnection System

Straight Polarized Latching w/o Swage

- Posts: copper alloy
- Housing: thermoplastic UL94V-0, black
- Plating: Duplex plated 15µ" gold on contact area, 100µ" min. tin-lead on solder area



Part No.	Product No.	Pos.	1	10	100
738013	103638-1	2	\$.58	\$.47	\$.42

♣ This product typically requires one to two additional days to ship. Please request "ship partial" if you prefer the other products on your order ship immediately. A separate shipping charge would apply.

*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

♣ RoHS compliant product • This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 159.

JAMECO ValuePro .100" & 2mm IDC Socket Connectors JAMECO EXCLUSIVE

Double Row

- Current rating: 1A
- Mates with 2 rows of .025" sq. or dia. posts on patterns of .100" centers (male headers, pg 57)
- Contact material: phosphor bronze w/ 1µ" gold flash on mating area, tin plated on termination area
- Industry standard IDC socket (plastic)
- Temp. rating: -55°C to +105°C
- Use crimp P/N 73252, pg 62

32564

QUANTITY SAVE

★ Web Code: QAE

Polarized

Part No.	Cross Ref. No.	Contacts	1	10	100	1000
32492	S10R	10	\$.31	\$.265	\$.20	\$.16
153948	S14R	14 .....	.32	.27	.21	.16
119467	S16R	16 .....	.37	.31	.23	.18
32522	S20R	20 .....	.53	.43	.32	.25
32564	S26R	26 .....	.49	.358	.297	.195
32644	S34R	34 .....	.53	.42	.38	.27
32679	S40R	40 .....	.73	.68	.61	.49
100386	IDC44	44 (2mm)	.99	.89	.71	.53
32708	S50R	50 .....	.74	.65	.449	.337
32759	S60R	60 .....	.97	.90	.81	.49

Non-Polarized

Part No.	Cross Ref. No.	Contacts	1	10	100	1000
138376	SN10⊕	10 .....	.39	.34	.31	.233
138325	SN20⊕	20 .....	.55	.49	.43	.29
138333	SN26⊕	26	1.09	.83	.484	.441
138341	SN34⊕	34 .....	.45	.40	.35	.263
138350	SN40⊕	40 .....	.49	.45	.39	.29
138368	SN50⊕	50 .....	.91	.81	.62	.46

JAMECO ValuePro .100" IDC Plug Connector Double Row JAMECO EXCLUSIVE

- Plastic
- .0100" grid
- Shrouded header w/o mounting ears
- Contact: gold-plated phosphor bronze
- Use with IDC socket for connectors above

Part No.	Product No.	Contacts	1	10	100
29217	P50⊕	50	\$1.95	\$1.66	\$1.25

3M .100" (2.54mm) Four-Wall Header

- Insulator material: glass filled polyester, UL94V-0
- Contact material: copper alloy
- Plating: 100µ" nickel underplating; 30µ" gold wiping are with 200µ" matte tin solder tails
- Insulation resistance: 1MΩ @ 500VDC

2500 Series Low Profile

- Current rating: 2A
- Withstanding volt.: 1000V_{RMS}
- For 0.0621" (1.57mm) board thickness
- Center polarization prevents misinsertion

Black, High-Temperature

★ Web Code: LDV

Part No.	Product No.	Pos.	1	10	50	
1578584	N2514-6002RB	14	..	\$1.39	\$1.26	\$1.19

★ Universal Connectors Online — Enter Web Code GAU

★ Crimp Terminals Online — Enter Web Code NBB

★ PBC Connectors Online — Enter Web Code EEN



10' Fiber Optic Cable

- 1000µm core jacketed plastic fiber optic cable (10')

★ Web Code: QAA

Part No.	Product No.	1	10
171272	IF-C-E1000	\$7.45	\$6.69

★ Metric Connectors Online — Enter Web Code XAY

★ Metric Champs Online — Enter Web Code WDL



.085" (2.16mm) Density Mini Ribbon Connector

IDC, Super Ribbon w/ Hood (Plastic)

- Standard 90° orientation, commercial end entry cable
- Terminates discrete wires with ultra-low resistance solder connections
- Metal shell provides grounding/shielding capability
- All plugs lock w/ INSTALATCH passive latch features for automatic latching
- Insulator: blue UL94V-0 rated diallyl phthalate type MDG
- Contact plating: select gold over 50µ" select nickel (standard); 30µ" select gold over 50µ" select nickel
- Shell: steel; plating: zinc w/ chromate coating
- Voltage rating: 500VAC/125VAC
- Withstanding voltage: 1200VAC_{RMS}
- Contact rating: 5A
- Contact resistance: 6mΩ
- Contact: copper alloy
- Insulation resistance: 5000MΩ min. initial

Part No.	Product No.	Pos.	1	25	50
1809371	97-22640-91♠	64	\$7.99	\$7.49	\$7.29

JAMECO ValuePro .100" IDC DIP Flat Cable Plugs

- Mates with standard 14, 16, 20, 24, 26, 28 & 40-pin DIP sockets with 0.1" spacing
- Uses 28 AWG flat ribbon cable, pg 43
- Plastic with gold-plated contacts
- Current rating: 1A

★ Web Code: KEF

Part No.	Cross			Contacts	1	10	100
	Ref. No.	Width					
42657	609-14	0.3"	14	.....	\$5.55	\$4.68	\$3.51
42674	609-16	0.3"	16	.....	.65	.53	.412
104097	609-20	0.3"	20	.....	.83	.75	.66
99670	609-28	0.6"	28	.....	.98	.83	.63
42712	609-40	0.6"	40	.....	1.79	1.19	.89



Card Extender

- Insulation material: diallyl phthalate, green
- Contact material: beryllium copper
- Contact plating: 30µ" select gold over 50µ" nickel in contact area, 10µ" gold tails
- Withstanding voltage: 830VAC_{RMS}
- Current rating: 5A
- Contact resistance: 5mΩ max.
- Insulation resistance: 5000MΩ min.

★ Web Code: PAA

Part No.	Product No.	Contacts/Pos.	1	25	50
1775975	50-44S-30	22/44 ...	\$7.99	\$7.49	\$7.29

Greater Savings Online

Find a large selection of price saving generic brands, house brands and factory overruns.



PC Card-Edge Connectors

- Fits all PC boards
- 0.054" to 0.070" thick

★ Web Code: XEE

- Solder Eyelet 0.140" Spacing Between Rows
- Contact centers: 0.156"
- With mounting ears

Part No.	Product No.	Contacts/Pos.	1	10	100
39116	50-12SN-3	6/12	\$2.95	\$2.65	\$2.38

Solder Tail 0.200" Spacing Between Rows

- Solder tail 0.200" spacing between rows
- Contact centers: 0.100"
- Without mounting ears

Part No.	Position	Contacts	1	10
40694	31/62⊕	Tin (PC/AT)	\$1.45	\$1.25

Great Prices on Factory Overruns from Other Mfrs.

1945049	50/100	Tin	\$99	\$75
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CARDCON™ Edge Connectors

- 0.156" (3.96mm) density
- Contact res.: 6mΩ max.
- W/standing volt.: 1800VAC_{RMS}
- Current rating: 5A
- Insulation resistance: 5000MΩ min.

Commercial Grade

- Insulation material: glass filled polyester, black, UL94V-0 rated
- Contact material: spring brass
- Contact plating: 10µ" selective gold over 30µ" nickel in contact, tin on tails

423265

Double solder tails, double readout, 0.200" (5.08mm) row spacing

★ Web Code: YEE

Part No.	Product No.	Contacts/Pos.	1	10	100
1775941	50-12SN-3 ♣	6/12 2.65	\$2.65	\$2.10	\$1.81
423118	50-20SN-3 ♣	10/20 3.49	3.49	2.82	2.48
423265	50-44SN-3 ♣	22/44 5.65	5.65	5.12	4.69

High Reliability

- DIP solder/solder eyelet
- Insulation material: thermoplastic black or diallyl phthalate green
- Contact material: phosphor bronze
- Contact plating: 30µ" selective gold over 50µ" copper in contact area, 5µ" gold on tails

DIP solder tail, double readout, 0.200" (5.08mm) row spacing

Part No.	Product No.	Contacts/Pos.	1	25	50
1775959	50-30H-10 ♣	15/30	\$8.15	\$7.74	\$6.68
1775967	50-44H-10 ♣	22/44	9.49	9.29	8.75
423273	50-44B-10 ♣	22/44	4.89	4.46	4.10

DIP solder tail, single readout, 0.128" (3.25mm) mounting hole

Part No.	Product No.	Contacts/Pos.	1	25	50
423290	50-22B-10 ♠	22/22 ...	\$6.59	\$5.96	\$5.47



Accessories

- 1809362: card guide, polypropylene, green
- 448489: polarizing key, glass epoxy

Part No.	Product No.	1	25	50
1809362	50GP-1 ♠	\$.99	\$.89	\$.82
448489	50PK-2 ♠ .....	.33	.30	.28

♣ This product typically requires one to two additional days to ship. Please request "ship partial" if you prefer the other products on your order ship immediately. A separate shipping charge would apply.

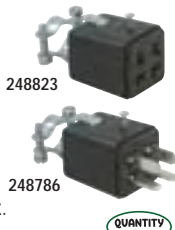
★ For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 159.

Jones Plugs and Sockets

Series 300 Multiple-Density Solder-Eyelet Connectors

- Insulation material: molded monoblock, black phenolic
- Contact material: plug – brass; socket – phosphor bronze
- Contact plating: cadmium
- Current rating: 10 amps
- Operating voltage: 250VAC max.
- Contact resistance: 16mΩ max.
- Hood material: UL 94V-0 rated thermoplastic



Sockets with Hood and 180° Clamp

*Web Code: WBP

Part No.	Product No.	Contacts	1	25
248807	S-302-CCT	2	\$3.35	\$2.70
248823	S-304-CCT	4	5.09	4.21
248831	S-306-CCT	6	5.79	4.79
427952	S-315-CCT	15	11.19	8.39

Plugs with Hood and 180° Clamp

Part No.	Product No.	Contacts	1	25
248760	P-302-CCT	2	\$2.59	\$2.29
248786	P-304-CCT	4	4.95	4.11
248794	P-306-CCT	6	5.45	4.51

Series 2400 Multiple-Density Solder-Eyelet Connector

- Current rating: 15A
- Current resistance: 1mΩ max.
- Operating voltage: 250VAC
- Contact plating: cadmium
- Plug prongs are 0.250"W x 0.55"H
- For use in cable-to-cable & cable-to-panel applications
- Socket contacts have solder eyelets with 0.093" dia.
- Insulation material: molded monoblock, general purpose phenolic, black
- Contact material: plug–brass; socket–phosphor bronze
- Hood material: formed metal with dielectric liner



*Web Code: LCA

Plug with Hood and 180° Clamp

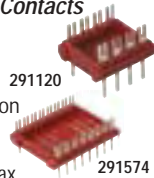
Part No.	Product No.	Contacts	1	25
428197	P-2408-CCT	8	\$11.85	\$10.73

ARIES DIP Headers

*Web Code: XBS

Series 600 Headers w/ Coined Contacts

- Standard cover/body material is red UL 94-HB glass filled nylon
- High temperature cover/body material is black UL 94V-0 4/6 nylon
- Contact plating: 100μ" min., tin
- Contact rating: 2A
- Operating temp.: 221°F (105°C) max.
- Fork contacts: accept up to .025" (.64mm) dia. leads



Part No.	Product No.	Pos.	W (in.)	1	10	100
291120	08-600-10	8	0.300	\$1.08	\$1.02	\$.77
291312	14-600-10	14	0.300	1.55	1.34	1.08
291574	16-600-10	16	0.300	1.69	1.49	1.22

* Center to center pin width

CA .100" DIP Header Plugs

- Gold-plated leads
- Header plugs: keyed corner to indicate pin 1
- U-shaped pin termination for easy component attachment
- Lead length: 0.188" • 0.1" spacing between leads

QUANTITY SAVE



Part No.	Product No.	Width	Pins	1	10	100
37130	14HP	0.3"	14	\$1.55	\$1.34	\$.99
37331	16HP	0.3"	16	2.15	1.93	1.39

DIN and Mini DIN Plugs & Receptacles



- Solder barrels w/ strain relief
- See pg 44 for cable

Part No.	Pins	Type	1	10	100
142280	4	Mini plug	\$.99	\$.87	\$.65
142262	6	Mini plug	1.09	.96	.75
177244	6	Mini receptacle	1.19	1.02	.83
111879	8	Mini plug	1.19	1.07	.80
177236	8	Mini receptacle	1.19	.99	.74
15879	5	DIN plug	.54	.49	.43
180873	5	DIN receptacle	.63	.54	.408
15887	6	DIN plug	.65	.54	.422
15895	8	DIN plug	.78	.68	.516

DIN Female Sockets

*Web Code: FAB

Straight DIN

- Panel mount with solder lugs
- Metal body



Part No.	Cross Ref.	# of pins	1	10	100
15843	DINJ5	5	\$1.45	\$1.26	\$1.15
15852	DINJ6	6	1.75	1.56	1.44
15861	DINJ8	8	1.49	1.35	1.15

Right Angle DIN

- Set back: 0.5"
- PC mount contacts

119474: Plastic/metal body
29400: Plastic body



Part No.	Cross Ref.	No.	# of pins	1	10	100
119474	MDR6S	6 (mini)		\$.94	\$.80	\$.62
29400	RD5	5		.71	.62	.47

PCB Centronics Connector

- Solder-type contacts
- Space between rows: 0.164"
- Space between pins: 0.1"
- Metal body
- PC mount



Part No.	Description	1	10	100
72151	36-contact F, rt angle	\$4.59	\$3.94	\$2.68

PS/2 Keyboard Adapter

- Connects AT type keyboards to the PS/2
- 5-pin female DIN to 6-pin male mini DIN (PS/2)



Part No.	Length	Housing	1	10	100
159097	1.4"	Metal	\$3.49	\$2.99	\$2.24

Ribbon Cable Assemblies

- Metal connector
- 300V rating
- 28 AWG flat cable
- 105°C rating
- Tin-plated contacts



Part No.	Description	1	10	100
12408	4' DB25 M-F	\$5.25	\$4.49	\$3.37
208582	6' DB9 M-F	4.99	4.49	3.99

SCSI Adapter

- DB25 female to HDB50 male SCSI II



Part No.	Description	1	10	50
167370	DB25 F to HPDB50 M	\$1.39	\$1.29	\$1.19

D-Sub 9-Pin to 25-Pin Serial Adapters

- 10321: For PC/XT systems with DB25 serial ports.
- 139985: gold-plated contacts, extra long thumbscrews



Part No.	Description	1	10	100
10321	DB9 M to DB25 F	\$5.15	\$4.32	\$3.24
189632	DB9 M to DB25 M	3.49	3.15	2.85
139985	DB9 F to DB25 F	4.25	3.99	2.99

D-Sub 9-Pin to 25-Pin Serial Adapter

- For use in AT or other computer systems that have 9-pin D-sub serial ports
- 664296: Thumbscrews on both sides



Part No.	Description	1	10	100
10305	DB9 F to DB25 M	\$3.15	\$2.69	\$1.99
664296	DB9 M to DB25 M	2.49	2.12	1.59

Panel Bracket Cable Assemblies

- Standard back panel bracket
- Ribbon cable with header connector
- Length: 12"



355688: 1 serial port
149623: 1 parallel port; 149614: 2 serial ports

Part No.	Description	1	10	25
355688	DB9M to 10-pin header F	\$4.75	\$4.19	\$3.54
149614	DB9 to 10-pin header & DB25M to 10-pin header	1.95	1.49	.99
149623	DB25F to 26-pin header F	4.29	3.65	3.29

Computer Card Brackets

- For securing cards into bus slots
- Fits PC/XT/AT cases
- Length: 4.75"
- See pg 55 for DB connectors



Part No.	Description	Fig.	1	10	100
101717	For DB9 connector	1	\$1.79	\$1.59	\$1.45
101733	For DB25 connector	2	1.79	1.52	1.14
101741	For DC37 connector	3	1.79	1.59	1.45
101831	For DB9/DB25 conn.	4	1.79	1.59	1.19

Full Handshaking Null Modem Adapters

- Self-contained null-modem (cross-over) adapters. Change any standard straight cable into a null cable quickly and easily.




Internal pin configuration:
17224: 1-1, 2-3, 3-2, 4-5, 5-4, 6-20, 20-6, 7-7, 8-20
26243: 1-1, 2-3, 3-2, 4-8, 8-4, 5-8, 8-5, 6-20, 20-6, 7-7

Part No.	Description	1	10	100
26243	DB25 M to DB25 F	\$4.35	\$3.70	\$2.78
17224	DB25 F to DB25 F	3.65	3.10	2.32

*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 159.

JAMECO ValuePro **Slim-Line D-Sub Gender Changers** **JAMECO EXCLUSIVE**



18498 56071 18447

For Confined Applications!

These revolutionary slim-line gender changers are only 0.69" wide, eliminating the space problems caused by standard gender changers. When plugged into your existing cable, they add only 0.44" to the cable. All-metal cases.

- Captive locking screw (male)
- Captive locking nut (female)
- Grounding tangs (male)
- Tin plated shells

***Web Code: YAB**

Part No.	Description	1	10	100
18498	9-pin male to male	\$4.95	\$4.49	\$3.99
18489	9-pin female to female	5.85	5.29	4.70
56071	15-pin male to male	3.95	3.49	2.95
56063	15-pin female to female	4.15	3.74	3.35
119320	15-pin female to female HD	4.75	4.28	3.84
119301	15-pin male to male HD	5.25	4.76	3.57
18447	25-pin male to male	5.95	5.39	4.79
18420	25-pin female to female	5.95	5.48	4.86
170085	25-pin M-F (pass thru)	3.79	3.58	3.40

Great Prices on Factory Overruns from Other Mfrs.

1945321	9-pin male to female (pass thru)	\$2.25	\$1.75	\$1.49
326537	15-pin M-F (pass thru)	1.95	1.49	.99
1945330	15-pin male to female HD	3.49	2.49	1.95

JAMECO ValuePro **Standard D-Sub Gender Changers** **JAMECO EXCLUSIVE**




16635 16643

- Standard 9-pin D-sub male and female gender changers for interfacing two cables or connectors of the same gender

Part No.	Description	1	10	100
16635	D-sub 9-pin male	\$2.59	\$1.79	\$1.34
16643	D-sub 9-pin female	2.29	2.13	1.59

JAMECO ValuePro **USB-A & B Connectors** **JAMECO EXCLUSIVE**

1.0 & 2.0 Female Connectors



161024 (USB-A) 230958 (USB-B)

***Web Code: DAZ**

Part No.	Description	1	10	100	1000
161024	USB-A 1.0 connector	\$.86	\$.77	\$.62	\$.465
230958	USB-B 2.0 connector	.99	.85	.55	.42

velleman PS/2 – USB Adapter

This adapter allows you to use your PS/2 compatible mouse and keyboard as USB compatible devices.

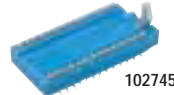
- USB - A Male to two PS/2 female connectors
- Color coded PS/2 connectors for keyboard & mouse

Part No.	Length	Housing	1	10	25
645351	13"	USB adapter	\$13.39	\$12.73	\$12.05

ARIES Low Profile ZIF Sockets

Series 526

- Body: UL 94V-0 glass-filled polyester thermoplastic
- Beryllium copper alloy spring tempered contacts w/ 200µ" (5.08µm) tin plating
- Contact res.: 10mΩ max.
- Contact current: 2A
- Breakdown voltage: 1000VAC min.
- Center pins: .600" (15.24mm)
- Operating temp.: -67°F to 221°F (-55°C to 105°C)
- Suggested PCB hole size: .035" (0.89mm) Dia.



NEW
MARKED IN PINK

***Web Code: UBX**

Part No.	Product No.	Pins	L" x W"	1	10	100
296788	24-526-10	24	1.45 x .75	\$5.65	\$5.19	\$4.39
102745	28-526-10	28	1.64 x .75	7.65	5.44	4.93
102753	40-526-10	40	2.24 x .75	9.25	8.41	7.15

ARIES High Temp. Universal ZIF Test Sockets

Series 6554

- Accepts devices on .300" to .600" (7.62mm to 15.24mm) centers
- -10: 100µ" tin over 50µ" nickel;
- -11: 10µ" gold over 50µ" nickel
- Operating temperature:
 - 10: 221°F (105°C) – tin plating
 - 11: 302°F (150°C) – gold plating
- Socket body: UL 94V-0 glass-filled PPS
- Beryllium copper contact plating
- Stainless steel handle
- Insulation res.: 1000MΩ
- Dielectric withstanding voltage: 1000VAC
- Center pins: 0.600"
- Contact current: 1A



***Web Code: AAN**

Part No.	Product No.	Pins	L" x W"	1	10	100
103992	24-6554-10	24	1.8 x 0.9	\$9.09	\$8.20	\$7.23
104003	28-6554-10	28	2.0 x 0.9	11.65	8.26	7.50
104012	32-6554-10	32	2.1 x 0.9	9.95	8.49	8.29
104030	40-6554-10	40	2.5 x 0.9	11.85	10.29	9.92
295162	28-6554-11	28	1.4 x 0.9	12.15	10.62	10.28
295209	32-6554-11	32	1.6 x 0.9	13.59	11.89	11.56
295233	40-6554-11	40	2.0 x 0.9	16.25	14.19	13.79

***DIMM Sockets Online — Enter Web Code BEN**

JAMECO ValuePro PLCC SMT Sockets JAMECO EXCLUSIVE

- Housing: high temperature thermoplastic, UL94V-0
- Voltage current rating: 250V, 1A
- Contact resistance: 200MΩ max.
- Contacts: phosphor bronze/tin lead
- Insulation resistance: 5000MΩ min.

NEW
MARKED IN PINK

***Web Code: EAR**

Part No.	Product No.	Pins	1	10	50	100
152688	850-44-PPST	44	\$.85	\$.69	\$.59	\$.49
1954771	PLCC69802	68	.99	.79	.69	.59

JAMECO ValuePro PLCC Thru-Hole Sockets JAMECO EXCLUSIVE

- Solder tail allows through-hole board patterns in .100" grid
- Accepts JEDEC type "A" plastic leaded chip (0.05" centers)
- Thru-hole lead length: .125"
- Body height: .375"

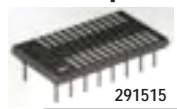


***Web Code: YAH**

Part No.	Cross Ref. No.	Pins	1	10	50	100
71618	G1P444	44	\$1.19	\$1.15	\$.99	\$.85
72442	G1P452	52	1.09	1.05	.95	.85
71969	G1P468	68	1.39	1.18	1.06	.94
71977	G1P484	84	1.45	1.35	1.24	1.09

ARIES SOIC/SOJ to DIP Adapters

- SOIC package
- Board material: 0.062" thick FR-4 w/ 1 oz. copper traces on both sides
- Brass alloy pins with 200µ" (5.08µm) min. tin plating
- Operating temperature: 221°F (105°C) max.
- Suggested PCB hole size: 0.028" (0.71mm) Dia.
- Center pins: 0.300" (7.62mm); except P/N 292040: center pins: 0.600" (15.24mm)

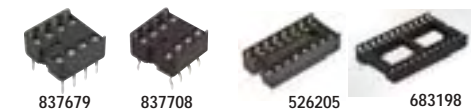


***Web Code: YBS**

Part No.	Product No.	Pins	L"xW"	1	10	100
291208	08-350000-10	8	.400 x .46	\$6.85	\$5.72	\$5.26
291515	16-350000-10	16	.800 x .45	7.99	6.41	5.52
292040	24-650000-10	24	1.2 x .70	11.59	9.80	8.51

***PGA Sockets Online — Enter Web Code WAH**

AMP DIP IC Sockets



Dual Leaf Straight Solder Tail, Phosphor Bronze w/ 15µ" Gold Plate

- Accepts .008" to .014" thick IC leads
- Housing: glass filled thermoplastic, 94V-0 rated, black

Part No.	Product No.	Pos.	Width	1	5	100
837679	2-640463-4	8	0.3	\$.85	\$.61	\$.54

Retention Solder Tail, Beryllium Copper/Tin

Part No.	Product No.	Pos.	Width	1	5	100
837708	2-641260-1	8	0.3	\$.27	\$.221	\$.186
838090	2-641609-1	14	0.3	.59	.47	.36

Economy Ladder Style

- Housing: glass filled thermoplastic, black
- Contacts: phosphor bronze tin plating
- Order in multiples of 10

Part No.	Product No.	Pos.	Width	10	100	500
683091	1-390261-1	6	0.3	\$.098	\$.09	\$.073
526299	390261-2	8	0.3	.09	.088	.078
683104	1-390261-2	8	0.3	.081	.074	.07
526192	390261-3	14	0.3	.089	.084	.081
683112	1-390261-3	14	0.3	.105	.095	.085
526205	390261-4	16	0.3	.093	.081	.077
683121	1-390261-4	16	0.3	.126	.108	.098
526213	390261-5	18	0.3	.146	.124	.093
683139	1-390261-5	18	0.3	.14	.127	.114
526221	390261-6	20	0.3	.156	.148	.147
683147	1-390261-6	20	0.3	.141	.129	.119
683163	1-390261-8	24	0.3	.183	.174	.165
683198	1-390262-1	24	0.6	.23	.216	.206
526248	390261-9	28	0.3	.292	.27	.237
683171	1-390261-9	28	0.3	.252	.224	.204
526256	390262-2	28	0.6	.24	.204	.153
683201	1-390262-2	28	0.6	.255	.237	.221
526272	390262-5	40	0.6	.30	.275	.262
683227	1-390262-5	40	0.6	.336	.304	.289

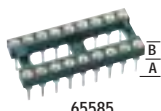
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RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. [Details on page 159.](#)

JAMECO ValuePro Machine Tooled Solder Tail Low-Profile Sockets

- Contact plating: gold
- Tin-plated leads
- Contact current: 3A
- Multiple contact elements
- Contact resistance: less than 5mΩ
- Dielectric withstanding voltage: 300V_{RMS}
- Insulation resistance: greater than 1000MΩ
- Material: beryllium copper or phosphor bronze
- Insulator: glass-filled polyester or glass-filled polyphenylene sulfide
- Sleeve material: brass
- Thru-hole lead length: .177" (A)
- Body height: .117" (B)



65585
JAMECO EXCLUSIVE

★ Web Code: GBA

Part No.	Cross Ref. No.	Pins	Width (in.)	1	10	100
167003	6MLPT	6	0.3	\$.29	\$.26	\$.18
51626	8MLP	8	0.3	.28	.25	.21
37197	14MLP	14	0.3	.44	.40	.34
37402	16MLP	16	0.3	.47	.43	.323
65585	18MLP	18	0.3	.65	.57	.492
38624	20MLP	20	0.3	.59	.55	.45
39387	24SMLP	24	0.3	.87	.77	.62
39351	24MLP	24	0.6	.78	.71	.64
114412	28SMLP	28	0.3	.85	.75	.65
40329	28MLP	28	0.6	1.95	1.77	1.53
105381	32MLP	32	0.6	.95	.85	.75
41136	40MLP	40	0.6	1.59	1.42	1.07
42060	48MLP	48	0.6	1.55	1.32	.99

Great Prices on Special Buys from Other Mfrs.

662573	8MLP	8	0.3	\$.22	\$.20	\$.17
192209	22SMLP	22	0.4	.45	.35	.29
652359	24MLP-GOLD	24	0.6	.49	.39	.29
184680	284SMLP	28	0.4	.49	.39	.293
662629	40MLP	40	0.6	1.09	.95	.69

JAMECO ValuePro Machine Contact Dual-In-Line Female Socket

- Solder tail contact: .114"L
- 0.100" centers
- 2-24 pin rows
- Contact clip: gold
- Pin sleeve: tin

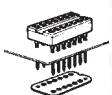
★ Web Code: KAM



Part No.	Cross Ref. No.	Pins	Width (in.)	1	10	100
212936	SA481000	48	.....	\$1.20	\$1.11	\$1.01

JDI Wire Wrap Socket I.D. Markers

- Material: plastic
- Quick identification of pin numbers
- Slips onto socket before wrapping
- Can easily write location, part number or function



37145
★ Web Code: YAG

Part No.	Prod. No.	Pins	Width (in.)	1	10	100
51561	8ID	8	0.3	\$.67	\$.63	\$.55
37145	14ID	14	0.3	.35	.28	.21
37356	16ID	16	0.3	.39	.36	.33
38586	20ID	20	0.3	.55	.50	.45
39327	24ID	24	0.6	.44	.408	.384
40299	28ID	28	0.6	1.33	.59	.55
41101	40ID	40	0.6	.94	.92	.91

JAMECO ValuePro Machine Contact Single-In-Line Female Sockets

- Machine tooled
- Single row
- Solder tail and wire wrap

★ Web Code: KAM



Part No.	Description	1	10	100
102201	10-pin	\$.27	\$.24	\$.21
78642	30-pin	.99	.88	.76
175920	36-pin	1.35	1.20	1.07
101283	20-pin WW2	1.65	1.49	1.19
104054	30-pin WW3	2.25	2.00	1.71

† Lead length: .435" (2) * Lead length: .575" (3)

JAMECO ValuePro Dual Wipe Solder Tail Low-Profile Sockets

- Contact current: 1A
- Contact res.: less than 5mΩ
- Body height: .188" (B)
- Dielectric withstanding volt.: 300V
- Insulation res.: greater than 1000MΩ
- Thru-hole lead length: .140" (A)

NEW MARKED IN PINK

★ Web Code: WAP

Part No.	Ref. No.	Pins	Width (in.)	10	100	1000
112193	6LPD	6	0.3	\$.104	\$.074	\$.069
112206	8LPD	8	0.3	.09	.08	.07
37162	14LP	14*	0.3	.09	.07	.055
112214	14LPD	14	0.3	.10	.08	.06
112222	16LPD	16	0.3	.13	.115	.095
112231	18LPD	18	0.3	.14	.11	.09
38608	20LPD	20	0.3	.16	.14	.11
112282	24SLPD	24	0.3	.28	.26	.18
112264	24LPD	24	0.6	.19	.15	.13
112266	24LPD	24	0.6	.215	.171	.152
112300	28SLPD	28	0.3	.22	.20	.18
40301	28LPD	28	0.6	.19	.15	.13
112301	32LPD	32	0.6	.206	.191	.143
112311	40LPD	40	0.6	.336	.274	.245

Great Prices on Special Buys from Other Mfrs.

Dual Wipe Low-Profile Sockets

Part No.	Ref. No.	Pins	Width (in.)	10	100	1000
689928	ED08DT	8	0.3	\$.07	\$.06	\$.05
689936	ED14DT	14	0.3	.08	.06	.05
38113	18LP	18*	0.3	.10	.08	.06
689952	ED18DT	18	0.3	.12	.09	.07
112248	20LPD	20	0.3	.14	.12	.10
689961	ED28DT	28	0.3	.15	.13	.11
112272	28LPD	28	0.6	.15	.13	.11
689979	ED32DT	32	0.6	.17	.15	.12
689987	ED40DT	40	0.6	.25	.19	.15

* Single wipe LP

SIMM Vertical Sockets

- Locking tabs
- Tinned contacts
- Keyed mounting posts
- Memory module sockets

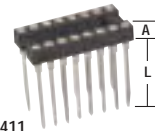
★ Web Code: WAL

NEW MARKED IN PINK

Part No.	Description	1	10	100	500
100302	Single x 30-pin, vert.	\$1.95	\$1.69	\$1.39	\$1.19
1954746	Dual x 30-pin, vertical	2.95	2.49	1.95	1.49
1954754	Dual x 72-pin, vertical	2.95	2.49	1.95	1.49
1954762	Dual x 72-pin, vertical	3.95	3.49	2.95	2.49

JAMECO ValuePro Level 3 Machine Tooled Wire Wrap Sockets

- Contact plating: gold
- Tin-plated leads
- Contact resistance: <5mΩ
- Dielectric withstanding voltage: 300V_{RMS}
- Material: beryllium copper or phosphor bronze
- Insulator: glass-filled polyester or glass-filled polyphenylene sulfide
- Insulation resistance: greater than 1000MΩ
- Thru-hole lead length: .586" (level 3)
- Sleeve material: brass
- Body height: .115" (A)



37411
JAMECO EXCLUSIVE

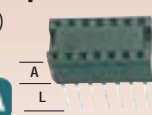
★ Web Code: FAL

Part No.	Cross Ref. No.	Pins	Width (in.)	1	10	100
94474	8MSWW3	8	0.3	\$.64	\$.55	\$.456
62051	14MSWW3	14	0.3	1.05	.88	.74
37411	16MSWW3	16	0.3	1.19	1.01	.85
94482	18MSWW3	18	0.3	1.15	.98	.88
38632	20MSWW3	20	0.3	1.39	1.20	1.00
105372	24MSWW3	24	0.3	1.65	1.59	1.36
313656	24MSWW3	24	0.6	1.75	1.49	1.08
94491	24MSWW3	24	0.6	1.85	1.58	1.34
200716	283MSWW3	28	0.3	1.95	1.75	1.55
40336	28MSWW3	28	0.6	1.89	1.60	1.52
117058	32MSWW3	32	0.6	2.19	2.00	1.80
94503	40MSWW3	40	0.6	2.75	2.35	1.96

Level 1, 2 & 3 Wire Wrap Sockets

- Contact plating/leads: gold (WW) or tin (TWW); dual wipe
- Material: beryllium copper or phosphor bronze
- Contact current: 1A
- Contact resistance: <5mΩ
- Insulation resistance: greater than 1000MΩ
- Thru-hole lead length: .315" (L1); .438" (L2); .638" (L3)
- Insulator: glass-filled polyester or glass-filled polyphenylene sulfide
- Dielectric withstanding voltage: 300V
- Sleeve material: brass
- Body height: .300" (A)

CA



37234

Gold (WW)

★ Web Code: SAF

Part No.	Prod. No.	Pins	W (in.)	1	10	100	500
37234	14WW2	14	0.3	\$2.85	\$2.39	\$2.02	\$1.57
37480	16WW2	16	0.3	3.49	2.81	2.27	1.95
40353	28WW2	28	0.6	6.19	4.94	3.99	3.61

Tin (TWW)

Part No.	Prod. No.	Pins	W (in.)	1	10	100	500
37218	14TWW2	14	0.3	\$1.75	\$1.58	\$1.28	\$.96
196841	14TWW3	14	0.3	.79	.69	.55	.45
87637	18TWW2	18	0.3	1.95	1.75	1.65	1.19
75380	20TWW2	20	0.3	3.99	3.77	2.79	2.31
75416	24TWW2	24	0.6	.99	.79	.59	.49
41180	40TWW2	40	0.6	3.45	3.29	2.91	2.76

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*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 159.



Amphenol Connex

50Ω/75Ω BNC Connectors and Adapters

* Crimp tools for these connectors below

Part No.	Prod. No.	Fig.	Crimp Tool*	Description	Cable Groups	*Web Code: DBT	1	10	25
295953	112116	1	A	50Ω straight crimp plug, captive contact	RG-58/58A/58C/141/303/LMR195/B7806A		\$1.69	\$1.59	\$1.19
295970	112119	1	A	75Ω straight crimp plug, captive contact	RG-59/62/140/210		1.75	1.61	1.55
296016	112133	1	B	75Ω straight crimp plug, captive contact	RG-179/187/B9221		1.92	1.82	1.37
658371	112202	2	A	50Ω bulkhead crimp jack	RG-58/58A/58C/141/303/LMR195/B7806A		3.39	3.21	2.82
658401	112235	2	B	75Ω bulkhead crimp jack	RG-179/187/B9221		3.25	3.05	2.94
658427	112424	3	—	50Ω receptacle jack, solder terminal	All 50Ω coax cables		1.85	1.74	1.68
296067	112431	4	—	50Ω bulkhead rec. jack, isolated, solder term.	All 50Ω coax cables		3.29	3.19	2.99
658507	112445	5	—	50Ω jack-to-jack adapter	All 50Ω coax cables		2.25	2.15	2.04
296083	112446	5	—	75Ω jack-to-jack adapter	All 75Ω coax cables		2.25	2.15	2.05
658515	112461	6	—	50Ω T-adapter, jack-plug-jack	All 50Ω coax cables		2.15	2.01	1.91
658540	202100	7	—	Male cap with chain	All BNC female connectors		2.15	2.03	1.94
658523	202103	8	—	50Ω terminator plug	All 50Ω coax cables		2.25	2.12	2.02
658531	202105	8	—	75Ω terminator plug	All 75Ω coax cables		2.15	2.06	1.97

Amphenol Connex

50Ω Type N Connectors

* Crimp tools for these connectors below

Part No.	Prod. No.	Fig.	Crimp Tool*	Description	Cable Groups	*Web Code: HBT	1	10	25
296454	172100	9	C	Straight crimp plug captive contact	RG-58/58A/58C/141/303/LMR195/B7806A		\$3.89	\$3.60	\$3.40
296471	172102H243	9	—	Straight crimp plug captive contact	RG-B9913/LMR400/B7810A/B8214		4.45	4.19	3.97
659286	172122	10	—	Plug-to-plug adapter	All 50Ω coax cables		6.85	6.55	6.19
659294	172123	11	—	Jack-to-jack adapter	All 50Ω coax cables		4.85	4.59	4.40
659307	172124	12	—	Bulkhead jack-to-jack adapter	—		6.19	5.87	5.61
659315	172126	13	—	Angled plug-to-jack adapter	—		8.15	7.80	7.45
296577	172142	9	C	Straight crimp plug captive contact	RG-55/142/223/400		4.55	4.26	4.11

Amphenol Connex

50Ω/75Ω TNC Connectors

* Crimp tools for these connectors below

Part No.	Prod. No.	Fig.	Crimp Tool*	Description	Cable Groups	*Web Code: EBT	1	10	25
296163	122372	14	A	50Ω straight crimp plug	RG-55/142/223/400		\$1.59	\$1.46	\$1.39

Amphenol Connex

50Ω SMA Connectors

* Crimp tools for these connectors below

Part No.	Prod. No.	Fig.	Crimp Tool*	Description	Cable Groups	*Web Code: FBT	1	10	25
296227	132101	15	—	Straight cable plug w/ contact, 0.085 semi-rigid	RG-405U		\$2.79	\$2.35	\$2.23
296331	132119	16	B	Bulkhead crimp jack	RG-174/188A/316/B7805A		5.29	4.53	4.15
296374	132134	17	—	Straight jack, PCB terminals	All 50Ω coax cables		4.79	4.53	4.31
659016	132137	18	—	Bulkhead jack receptacle, solder terminal	—		4.95	4.66	4.46
659032	132168	19	—	Plug-to-plug adapter	All 50Ω coax cables		5.19	4.95	4.70
659041	132169	20	—	Jack-to-jack adapter	All 50Ω coax cables		4.45	4.25	4.05
659059	132170	21	—	Jack-to-jack adapter, bulkhead feedthrough	—		6.69	6.39	6.09
659067	132171	22	—	Plug-to-jack adapter	All 50Ω coax cables		4.85	4.64	4.41
659075	132172	23	—	Right angle plug-to-jack adapter	All 50Ω coax cables		7.59	6.77	6.19

Amphenol Connex

Universal Hand Crimp Tools

Amphenol Connex 47 series coax crimp tools utilize industry standard crimp die-set dimensions. Full ratchet crimp action assures complete crimp before release.



667850

Part No.	Product No.	Crimp Tool	Die Cavities (in.)	Cable Groups	*Web Code: DCJ	1	5
667850	47-10070	A	.255/.213/.068	RG-55/58/59/62/141/142/223/303/400 (for BNC/TNC connectors)		\$60.59	\$57.55
667905	47-10150	B	.178/.128/.068	RG-174/188/316/179/187/180/195/178/196 (for BNC/TNC connectors)		60.45	56.11
667921	47-10180	C	.255/.213/.100/.068/.052	5 cavity RG-58/59 N/BNC/TNC/SMA connectors (for BNC/TNC/N connectors)		54.05	52.49

AMP

SMA Adapters & Accessories

*Web Code: SET

* Order in multiples of 10

Part No.	Prod. No.	Description	1	10	100
896257	1054869-1	SMA in-series adapter, jack-to-jack, bulkhead, feedthrough	\$24.19	\$22.99	\$20.76
739446	1058117-1	BNC-SMA jack-to-jack adapter	44.69	37.99	36.70
740914	1-329631-2	Jam nut	*	.173	.165

♣ This product typically requires one to two additional days to ship. Please request 'ship partial' if you prefer the other products on your order ship immediately. A separate shipping charge would apply.

***For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above**

RoHS compliant product

This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 159.

JAMECO ValuePro

BNC Adapters

- Silver-plated
- General purpose coax T-adapter
- ThinNet/Ethernet LAN adapter

JAMECO EXCLUSIVE

★ Web Code: BAR

Part No.	Cross Ref. No.	Description	1	10	100
118594	200-155	Male to female/female T-adapter	\$2.85	\$2.58	\$2.10
72629	200-150	Female to female/female T-adapter	2.65	2.49	2.25
207087	BJ-7078	Female to male/female T-adapter	10.05	9.49	9.22
100597	40958-Y	Male to female/female T-adapter (180°)	5.99	5.39	4.85
207116	BJ-7082	Male to female/female/female T-adapter	7.19	6.45	5.79
117461	B-068	Male to female/female F-adapter (90°)	4.35	3.95	3.55
207168	BJ-7072	RCA female to BNC female	2.39	2.15	1.91
114789	BR312	RCA female to BNC male adapter	1.59	1.23	1.16
207176	BJ-7055	RCA male to BNC male	3.09	2.77	2.46
114753	RB312	RCA male to BNC female adapter	1.59	1.45	1.29
114770	200-108	BNC female to "F" connector male adapter	1.79	1.59	1.39
207142	BJ-7075	3.5mm mono male to BNC female	1.99	1.79	1.39
363961	31-218	50Ω BNC straight adapter, plug-plug (UG-491A/U)	7.69	6.56	4.92
355152	31-219-RFX	50Ω BNC straight adapter, jack-jack (UG-914/U)	3.25	2.38	2.07



QUANTITY SAVE

50Ω BNC Connectors and Adapters

- Body plating: nickel/tin-lead
- Frequency range: 0-4GHz
- Contact plating: silver/gold
- Cable type: 188306/188349: RG174/188A; 188306: RG58/141
- 223554: Straight, jack to jack
- 223511: Straight, solder cup

★ Web Code: NBE

QUANTITY SAVE

Part No.	Product No.	Description	1	10	25
188429	31-208-RFX	Jack-plug-jack	\$4.19	\$3.39	\$2.65
223554	31-3220	Bulkhead adapter	11.19	10.03	7.76
223511	31-221	Bulkhead receptacle	2.15	1.86	1.65
188349	31-315-RFX	Plug crimp, 3-pc.	2.29	2.03	1.78
188306	31-320-RFX	Plug crimp, 3-pc.	1.49	1.36	1.32



BNC Connectors

NEW MARKED IN PINK

QUANTITY SAVE



Part No.	Cross Ref. No.	Fig.	Description	1	10	100
71458	B-611T	1	BNC male terminator (50Ω)	\$1.95	\$1.42	\$1.22
311343	31-10-RFX	2	50Ω BNC jack, bulkhead	2.55	2.12	1.71
311327	69475	3	50Ω BNC plug, clamp for RG-174/179/187/188/316	7.05	4.71	3.49
355178	31-221	4	50Ω BNC blkhd rcptcl w/ grounding lug, solder cup (UG-1094/U)	2.29	2.09	1.95
71790	200-177	5	BNC male terminator (75Ω)	1.65	1.31	1.07
135618	200-141	6	BNC male with pin and ferrule (RG6)	1.35	1.18	.92
71482	200-145	6	BNC male with pin and ferrule (RG58)	1.65	1.49	1.35
71271	200-143	6	BNC male with pin and ferrule (RG59/62)	1.15	.96	.85
112110	G7409	6	BNC male with pin and ferrule (RG174)	3.59	3.26	2.90
71781	200-142	7	BNC male twist-on (RG59/62)	1.25	1.15	1.04
71590	G1B235	8	BNC female panel mount (UG-1094A)	1.95	1.80	1.65
71909	200-160	9	BNC female/female coupler (UG-914)	1.29	.99	.85
127343	B-311	10	BNC male/male coupler (UG-491B/U)	2.39	2.15	1.67
111561	200-148	11	BNC female isolated bulkhead with washer & nut	2.29	1.99	1.79
148224	200-165	12	BNC female bulkhead feed-thru with washer & nut	1.99	1.89	1.69
148232	B-332-IF	12	BNC female isolated bulkhead feed-thru with washer & nut	2.49	2.24	1.68
127352	B-412	13	BNC M-F right angle (DG-306B/O)	3.15	2.36	1.77
160929	B211F-58	14	BNC female, crimp type (RG58)	1.49	1.28	1.19
161922	B211F-174	14	BNC female, crimp type (RG174)	1.99	1.62	1.46
174290	TBC-090	15	BNC female chassis mount	1.43	1.22	.92
174255	TBC-176	16	BNC male to F connector female	2.35	1.86	1.40
1952821	KDA1001-H0	17	BNC female R/A plastic insulation, PC mount	.99	.89	.75
146511	CH-7044S	18	BNC female R/A plastic insulation, PC mount, with washer & nut	2.69	2.39	2.04
161656	CH-7087D	19	BNC female right-angle, metal, PC mount	2.19	2.09	1.59
311571	31-71033	20	75Ω BNC 3-pc plug crimp, for Belden 2818 cables	3.05	2.62	2.08

★ Web Code: NBU

JAMECO ValuePro

SMB PCB Connector

- 0-4GHz electrical performance
- Contact: beryllium copper
- Gold plated brass
- Insulation: teflon

JAMECO EXCLUSIVE

Part No.	Description	1	10	50
167312	Right angle PCB	\$6.05	\$4.46	\$4.24



JAMECO ValuePro

SMB Connector

- Use w/ RG-174 coax
- 50Ω crimp type
- Gold plated
- Use w/ crimping tool P/N 114535, pg 142

JAMECO EXCLUSIVE

NEW MARKED IN PINK

Part No.	Description	1	10	50
172363	Bulkhead crimp jack	\$4.19	\$3.54	\$2.66
172371	Cable crimp plug	4.85	4.33	3.72



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SMA Connectors, Couplers and Adapters

JAMECO ValuePro **JAMECO EXCLUSIVE**

157972 153366/355304 145382 153286 159531

- Application: cellular phone, data communication, instrumentation and video
- Frequency range: 0-18GHz
- Temperature range: -65°C to 165°C
- 50Ω impedance
- Plating: gold and nickel

Connectors

Part No.	Cross Ref. No.	Description	Web Code: DAY	QUANTITY SAVE	Cable Type	Plated	1	10	50
157972	19-03F-4TGG	SMA 50Ω crimp type M plug connector			RG-58	Gold	\$4.95	\$4.21	\$3.15
153366	4804	SMA 50Ω crimp type M plug connector			RG-174	Gold	4.39	3.95	3.55
145382	19-46G	SMA straight F PCB mount connector, 4 legs			—	Gold	5.25	4.75	4.25
153286	SMA-7813	SMA bulkhead solder F w/ washer, rear mount			RG-58/174	Gold	3.59	3.35	3.10
159531	CH-7814	SMA F panel mount conn., 4 mounting holes*			RG-58/174	Gold	3.75	3.15	2.96
160022	CH-7815-G	SMA F panel mount conn., 2 mounting holes*			RG-58/174	Gold	4.79	3.75	3.55
160013	CH-7818-N	Panel mount feed thru connector F – F			—	Nickel	4.99	4.49	3.99
355283	901-143-6RFX	50Ω SMA jack, right angle, PC mount			—	Gold	4.99	3.49	3.32
355304	901-9877-RFX	50Ω SMA plug, crimp (RG-174/U; RG-188A/U; RG-316/U cables)			—	Gold	2.55	2.40	1.80

*159531/160022: Solder cup

Couplers

Part No.	Cross Ref. No.	Description	Web Code: BAX	Plated	1	10	50	100
153294	SMA-7817	SMA straight coupler female – jack-to-jack		Gold	\$4.29	\$3.87	\$3.10	\$2.79
161294	S-311-G	SMA straight coupler male – male		Gold	4.65	4.20	3.75	3.50
161307	S-412-G	SMA right angle coupler male – female		Gold	5.99	5.39	4.79	4.38

SMA to BNC Adapters

Part No.	Cross Ref. No.	Description	Web Code: DAX	Plated	1	10	50	100
153454	SB-321	SMA female to BNC male adapter		Nickel	\$2.59	\$2.29	\$2.09	\$1.89
159469	CH-7830-N	SMA female to BNC female adapter		Nickel	3.59	3.09	2.89	2.49
153593	4288	SMA male to BNC male adapter		Nickel	4.59	4.15	3.65	3.29
159477	CH-7820-N	SMA male to BNC female adapter		Nickel	3.95	3.55	3.23	2.89

75Ω "F" Connectors, Adapters & Terminators

JAMECO ValuePro **JAMECO EXCLUSIVE**

291531 309657 291725 295371 295380 1952943

Part No.	Cross Ref. No.	Description	Web Code: BBT	1	10	50	100
291531	200-028	Perma-seal, RG-6 coax		\$0.81	\$0.74	\$0.64	\$0.51
309657	200-045	RCA female to F male adapter		1.95	1.75	1.55	1.35
291725	200-051	F-jack to jack (gold)		1.39	1.22	1.14	1.04
295371	200-053	F-panel mount jack to jack (nickel)		.73	.66	.56	.451
295380	200-107	F-right angle jack to plug (nickel)		2.35	1.95	1.66	1.36
1952943	200-190	F-right angle PC mount jack (90 barrel)		1.75	1.49	1.25	.99

BNC Male Coax Cables

JAMECO ValuePro **JAMECO EXCLUSIVE**

176794 181308

Part No.	Description	1	10	50
176794	3' BNC to BNC	\$6.09	\$5.41	\$4.58

RG59/U 75Ω CATV & Video Patch Cords

Part No.	Cross Ref. No.	Length (ft.)	1	10	50
86471	CRG59-1	1.5	\$3.95	\$3.61	\$3.38
85543	CRG59-6	6	5.95	5.89	4.39
102373	CRG59-12	12	6.59	5.99	5.40
262730	EBC-525	25	9.95	8.95	8.05
262748	EBC-550	50	20.49	18.42	14.74
262764	EBC-510	100	36.45	32.82	26.26

RG174/U 50Ω Network & Oscilloscope Cables

Part No.	Cross Ref. No.	Length (ft.)	1	10	50
111473	RG174U3	3	\$5.45	\$4.93	\$4.45
111482	RG174U6	6	7.59	6.87	6.20

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SMA PCB Jacks

Amphenol RF

- Applications: cellular phone, data communication, instrumentation and video
- Frequency range: 0-18GHz
- Temp. range: -65°C to 165°C
- 50Ω impedance

188509 188525

Part No.	Product No.	1	10	25
188509	901-144-8-RFX	\$3.19	\$2.56	\$2.49
188525	901-143-6-RFX	5.25	5.15	5.05

SMA/SMB 50Ω Coax Cables

JAMECO ValuePro **JAMECO EXCLUSIVE**

Fig. 1 Fig. 2 Fig. 3 Fig. 4

Web Code: PAY

QUANTITY SAVE

Fig. 1: SMA male to SMA male
Fig. 2: SMA male to SMA right angle male
Fig. 3: SMA right angle male to SMA right angle male
Fig. 4: SMB plug to SMB plug

Part No.	Cable	Fig.	Lgth (ft.)	1	10	50
159370	RG-58	1	2	\$5.39	\$4.58	\$3.49
159397	RG-58	1	6	6.95	5.87	4.40
169801	RG-174	1	0.5	5.59	4.99	4.55
163855	RG-174	1	1	4.95	4.65	4.09
153382	RG-174	1	2	4.95	4.29	3.39
153391	RG-174	1	4	5.89	5.08	4.59
159451	RG-174	1	6	7.95	7.20	6.49
175127	RG-174	2	0.5	4.95	4.49	3.95
175135	RG-174	2	1	5.45	4.95	4.25
175143	RG-174	3	0.5	6.45	6.15	5.75
175152	RG-174	3	1	6.59	6.25	5.95
175178	RG-174	4	1	5.29	4.79	3.95

European Terminal Blocks

JAMECO ValuePro **JAMECO EXCLUSIVE**

215011

- Number of poles: 12
- 1.2mm raised base
- Voltage: 600V
- Working temp.: 230°F (110°C)
- Terminal insert: brass metal alloy, nickel plated
- Material: Polyamide 66 (nylon 66), UL94V-2, natural
- Wire protector: stainless steel spring (DS)
- Screws: zinc plated, yellow chromed

Web Code: CBJ

Part No.	Cross Ref.	Amps	AWG	1	10	100
215011	PA8HDS	20A	12-22	\$1.79	\$1.59	\$1.29
215029	PA10HDS	30A	10-22	2.45	2.19	1.81
215037	PA12HDS	35A	10-22	2.95	2.59	2.25

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All Jameco purchases are guaranteed for a full 90 days and even longer for Jameco House Brands.

Double Row Barrier Blocks

- Voltage rating: 250VAC_{RMS} max.
- Eyelet material: brass with nickel plating
- Insulation: molded mono block, general purpose phenolic, black, UL94V-1
- Screw material: steel w/ nickel over copper flash plating
- Solder terminal material: brass w/ electro-tin plating



231378

140 Series 15A

- 3750-watts/terminal max.
- 16 AWG wire max. • Size: 0.88"W x 0.41"H
- Screw: 5-40 x 3/16" • Density: 0.375"

★ Web Code: YBM

Part No.	Prod. No.	Pos.	Length	1	10	100
230973	2-140	2	1.41"	\$1.11	\$0.85	\$0.74
230981	3-140	3	1.78"	1.85	1.42	1.21
230990	4-140	4	2.16"	1.85	1.42	1.21
231010	6-140	6	2.91"	2.29	1.74	1.49
231028	7-140	7	3.28"	2.45	1.88	1.61
231036	8-140	8	3.66"	2.89	2.30	2.01
231052	10-140	10	4.41"	3.55	2.72	2.33
231061	12-140	12	5.16"	4.19	3.29	2.97
1775983	14-140	14	5.91"	5.09	3.75	3.40

141 Series 20A

- 5000-watts/terminal max.
- 14 AWG wire max. • Size: 1.13"W x 0.5"H
- Screw: 6-32 x 1/4" • Density: 0.438"

Part No.	Prod. No.	Pos.	Length	1	10	100
231378	4-141	4	2.50"	\$1.89	\$1.53	\$1.34
231394	6-141	6	3.38"	2.35	1.86	1.60
231415	8-141	8	4.25"	2.95	2.39	2.05
231431	10-141	10	5.13"	3.39	2.76	2.36
231440	12-141	12	6.00"	4.15	3.58	3.06

142 Series 30A

- 7500-watts/terminal max.
- 10 AWG wire max. • Size: 1.312"W x 0.625"H
- Screw: 8-32 x 5/16" • Density: 0.563"

Part No.	Prod. No.	Pos.	Length	1	10	100
440891	8-142	8	5.468"	\$5.55	\$5.32	\$4.73

Double Row, Y-terminal

1775991	5-142-Y	5	3.781"	\$4.09	\$3.27	\$2.81
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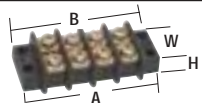
Metric Double Row Terminal Blocks

- Body: black thermoplastic (UL94V-0)
- Terminals: brass tin plated
- Screws: steel nickel plated • 12-18 AWG
- Insulation withstanding voltage: 2000VAC min.
- Insulation resistance: 1000MΩ or more at 500VDC

★ Web Code: SBG

10A @ 600V

- Screw size: M3.0
- Width (W): 19.5mm
- Height (H): 11.9mm



Part Number	Cross Ref. No.	Poles	A"	B"	1	10	50
208873	GGE-10-8P	8	95	102.5	\$1.69	\$1.59	\$1.49

20A @ 600V

- Screw size: M3.5
- Width (W): 22.0mm
- Height (H): 13.2mm



Part Number	Cross Ref. No.	Poles	A"	B"	1	10	50
207547	GGE-20-6P	6	76.3	85.3	\$1.99	\$1.79	\$1.59
207563	GGE-20-10P	10	119.9	128.9	3.29	2.79	2.09
207572	GGE-20-12P	12	141.7	150.7	3.59	3.19	2.79

◆ This product typically requires one to two additional days to ship. Please request "ship partial" if you prefer the other products on your order ship immediately. A separate shipping charge would apply.

★ For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product

⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 159.



Terminal Blocks and Header

- For detailed specifications, please see our website at www.Jameco.com
- 164814: Male header (.197") for use with 164794 and 164806



Fig. 1 (99398)



Fig. 2 (160785)



Fig. 3 (161067)



Fig. 4 (189676)



Fig. 5 (1945170)



Fig. 6 (164806)



Fig. 7 (249084)

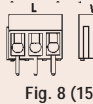


Fig. 8 (152347)



Fig. 9 (164814) use w/ Fig. 6

Part No.	Mfg.	Product No.	Fig.	Term.	Terminal Spacing	1	10	100	1000
99427	Dinkle	DT128/2	1	2	0.197"/5mm	\$0.80	\$0.61	\$0.49	\$0.44
99398	Dinkle	DT128V3P	1	3	0.197"/5mm	.99	.89	.79	.59
160785	Dinkle	EK500V-02P	2	2	0.197"/5mm	.65	.55	.45	.39
160793	Dinkle	EK500V-03P	2	3	0.197"/5mm	.99	.91	.80	.74
161067	Dinkle	EK500A-02P	3	2	0.197"/5mm	.85	.74	.55	.44
161059	Dinkle	EK500A-03P	3	3	0.197"/5mm	1.14	1.02	.87	.66
189676	OST	EDC500/2DS	4	2	0.197"/5mm	.79	.71	.64	.58
189668	OST	EDC500/3DS	4	3	0.197"/5mm	.89	.80	.72	.61
1945170	Wanxinli	WD301-2P	5	2	0.197"/5mm	.39	.29	.22	.19
1945209	Wanxinli	WD301-3P	5	3	0.197"/5mm	.41	.35	.25	.23
164794	OST	EDC130/2DS	6	2	0.197"/5mm	.59	.53	.47	.42
164806	OST	EDC130/3DS	6	3	0.197"/5mm	.99	.90	.81	.61
249084	OST	ED2750/3	7	3	0.200"/5.08mm	2.29	2.05	1.82	1.72
152347	OST	EDC120/2DS	8	2	0.200"/5.08mm	.65	.55	.45	.39
152355	OST	EDC120/3DS	8	3	0.200"/5.08mm	.47	.44	.39	.31
164814	OST	EDSTL130/24	9	24	0.197"/5mm	2.65	2.37	2.16	1.64

Terminal Block Jumpers

- For connecting between adjacent terminals or alternate terminals.
- 2-position
- Brass w/ nickel plating



★ Web Code: OBH

Part No.	Product No.	1	25	50
448500	141J (141 series)	\$0.31	\$0.284	\$0.255
448518	95B (142 series)	1.06	.94	.87

AMP Power Tap

Standard Power Tab

- Screw: steel plated
- Resistance: 2mΩ max.
- Connector body & lid: nylon 94V-0 rated
- Contact: copper alloy, bright tin-lead



Part No.	Product No.	Description	1	10
852730	55556-4	6-32 screw hole	\$4.65	\$3.95

Wire Connectors

- Material: UL approved nylon 66, 94V2
- Quick and secure method to splice control wires
- Twist on type
- Strip wire before application
- 182449: nylon 66, 94-2 UL/CSA approved
- 140717: PE - metal inside
- Order in multiples of 10

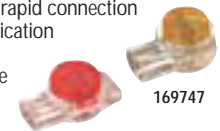


Part No.	Description	10	100	1000
182449	Crimp 16-14 AWG	\$0.075	\$0.069	\$0.051
140717	Wire IDC 22-18 AWG	.17	.15	.13

* Requires crimping tool (P/N 72996, right)

Telecom Splice Connectors

- Provides clean, solid and rapid connection of wires to keep communication lines free of noise
- Available to handle a wide range of conductor sizes



169755: Y-type

- Order in multiples of 10

Part No.	Color	Wire Gauge	No. of Conductors	10	100	1000
169747	Yellow	22-26	2	\$0.19	\$0.15	\$0.14
169755	Red	19-26	3Y	.155	.144	.12

Solderless Terminal Crimping Tool

- Size: 9.0"L x 2.0"W
- Crimps solderless terminals: 18-22 AWG red, 14-16 AWG blue and 10-12 AWG yellow



Part No.	Product No.	1	10	25
72996	HT303	\$22.49	\$18.99	\$14.49

Greater Savings Online

Find a large selection of price saving generic brands, house brands and factory overruns.

171-Pc. Solderless Terminal Kit



- Clear, hinged plastic box
- Use crimping tool P/N 72996, pg 86

Part No.	Description	1	10	25
10990	Solderless terminal kit	\$9.95	\$8.95	\$7.95

★ Splices and Wire Caps Available Online — Enter Web Code QBZ

molex Fully Insulated Coupler

This fully insulated nylon coupler is precision engineered, allowing the female terminal to fit precisely into the corresponding male housing, which provides a fully insulated inline splice. This splice may be connected and disconnected without damage to the nylon insulation.

- Tab size: 0.250" x 0.032"
- Female

Part No.	Product No.	AWG/Color	10	100	500
489766	19005-0005-C	14-16/Blue	\$1.26	\$1.12	\$1.01

molex Insulkrimp® Solderless Terminal

Female Quick Disconnect

- Translucent insulator provides fast, on-line quality control inspection of the wire/terminal assembly
- Terminal's funnel entrance is designed for increased crimping rates by speeding wire delivery into the crimp section and eliminating wire strand fold back
- A wire stop stamped into the crimp barrel prevents insertion of over-stripped wires
- Material: brass • PVC insulation

Part No.	Product No.	AWG/Color	Tab size	10	100	500
489643	19003-0017-C	18-22/Red	0.187" x 0.032"	\$1.17	\$1.57	\$1.37

AMP Plastic-Grip Ring Tongue Terminals

Designed specifically to answer the need for inexpensive insulated electrical terminations. The wire and the terminal barrel form a homogeneous mass of metal, providing a connection of maximum conductivity, tensile strength and high resistance to corrosion.

Part No.	Product No.	Stud Size	AWG	Color	5	50
844852	34149	#10	22-16	Red	\$1.55	\$1.46
845177	34853	#8	12-10	Yellow	.236	.215

AMP Solistrand Uninsulated Terminals

Designed to terminate solid and stranded wire, irregular shaped conductors, and combinations of these – still retaining the superior performance and characteristics of single purpose terminals and splices. Corrosion resistant, vibration resistant and tensile strength of these terminals and splices are well within the limits of commercial military applications.

Part No.	Product No.	Stud Size	Wire (AWG)	1	10	100
844289	34107	#6	22-16	\$1.48	\$1.43	
844318	34108	#8	22-16	.133	.108	
842558	321600	3/8"	2	1.25	1.21	1.18

♣ This product typically requires one to two additional days to ship. Please request "ship partial" if you prefer the other products on your order ship immediately. A separate shipping charge would apply.

★ For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 159.

Solderless Terminals

AMP

P.I.D.G. (Pre-Insulated Diamond Grip) Nylon Insulated Terminals

- Temperature rating: 105°C
- Funnel ramp entry
- Meets MIL-T-7928



Ring Tongue Terminals

Part No.	Product No.	Fig.	Stud Size	Wire (AWG)	Color	1	10	100
302666	36152	1	#6	22-16	Red	\$1.24	\$1.174	\$1.16
302674	31890	1	#8	22-16	Red	.28	.24	.211
302738	320565	1	#8	16-14	Blue	.20	.158	.119
302818	35110	1	1/4"	12-10	Yellow	.40	.39	.293

★ Web Code: TBT

Spade Tongue Terminals

Part No.	Product No.	Fig.	Stud Size	Wire (AWG)	Color	1	10	100
302851	328394	2	#2	22-16	Red	\$1.21	\$1.203	\$1.196
302869	327717	2	#4	22-16	Red	.24	.224	.208
302877	34541	2	#6	22-16	Red	.24	.173	.158
302885	32053	2	#8	22-16	Red	.29	.257	.232
302906	35559	2	#6	16-14	Blue	.26	.25	.194
302914	32059	2	#8	16-14	Blue	.28	.267	.206

Flanged Spade Tongue Terminal

303010	320862	3	#8	16-14	Blue	\$1.24	\$1.228	\$1.216
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Butt & Knife Disconnect Splices

303175	320559	4	Butt	22-16	Red	\$1.55	\$1.525	\$1.51
303183	320562	5	Butt	16-14	Blue	.55	.525	.51

Fast-On Receptacles

Part No.	Product No.	Fig.	Size (in.)	Wire (AWG)	Color	1	10	100
303255	640917-1	5	.187 x .020	22-18	Red	\$1.22	\$1.212	\$1.176
303280	640903-1	5	.250 x .032	22-18	Red	.22	.16	.14
303327	640905-1	5	.250 x .032	16-14	Blue	.23	.156	.117
303343	640907-1	5	.250 x .032	12-10	Yellow	.29	.248	.186

Vinyl Insulated Solderless Terminals

- Insulation thickness: .030"
- Funnel ramp entry
- Temperature to 105°C
- Use with crimping tool P/N 72996, pg 70

• Order in multiples of 10

Ring & Spade Solderless Terminals

Part No.	Description	Stud Size	Wire (AWG)	Color	10	100	1000
103684	Ring solderless	#6	22-16	Red	\$1.11	\$1.093	\$1.07
103588	Spade solderless	#6	22-16	Red	.119	.084	.07
103596	Spade solderless	#8	16-14	Blue	.132	.085	.064

Disconnect Solderless Terminals

Part No.	Description	Blade Size	Wire (AWG)	Color	10	100	1000
106922	Female	.187"	22-16	Red	\$1.12	\$1.102	\$1.077
103668	Female	.25"	22-16	Red	.12	.08	.06
109112	Female w/ hood	.25"	22-16	Red	.204	.132	.066

KEYSTONE

Terminals

PC Quick-Fit, Male

- Material: brass, tin plated

Part No.	Product No.	Description	Thick	1	10	50
1581708	1266	.250" right angle solder	0.32"	\$1.11	\$1.10	
1581732	1287	.250" straight solder	0.32"	.038	.036	

Screw Terminal

- Material: brass, tin plated
- Screw: 6 -32 x .250", brass, nickel plated
- Accepts: 14-20 AWG wire
- Rated 15A

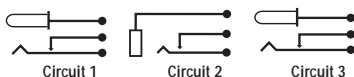
Part No.	Product No.	Description	Thick	1	10	100
1582241	7690	Snap-in, horizontal, unassembled	0.32"	\$1.45	\$1.424	\$1.274

Male & Female Power Jacks

- Use with mating power plugs, below
- Dimensions do not include barrel

Terminals	Code
Solder eyelet	A
PC board	B

★ Web Code: **BAM**



Mounting	Code
Panel	C
PCB	D
Panel & PCB	E
Cable	F



Part Number	Cross Ref. No.	Dimensions H x W x D (mm)	Type/ Mount	Circuit/ Terminal	Mating Plug (below)	Pricing			
						1	10	100	1000
1.3 mm Male Jack									
101194	PP024	6.0 x 6.0 x 9.0	6/D	1/B	1.3 mm F	\$.62	\$.48	\$.44	\$.36
2.1 mm Male Jacks									
101178	PP014	10.9 x 9.0 x 14.5	1/D	1/A	2.1 mm F	\$.45	\$.39	\$.35	\$.263
137673	PP013	10.9 x 9.0 x 14.5	3/D	3/A	2.1 mm F	.40	.36	.288	.216
151590	DPJ-021A	13.0 x 12.6 Dia.	5/C	1/A	2.1 mm F	1.19	.99	.79	.69
151555	DPJ-026	15.1 x 8.0 Dia.	4/E	1/A	2.1 mm F	1.59	1.29	1.09	.89
159611	PJ1014A	35.8 x 12.6 Dia.	8/F	3/A	2.1 mm F	1.79	1.50	1.31	1.07
2.5 mm Male Jacks									
207714	HEC0470	11.0 x 9.0 x 14.5	1/D	1/B	2.5 mm F	\$.75	\$.59	\$.46	\$.34
101187	PP014A	11.0 x 9.0 x 14.5	1/D	1/A	2.5 mm F	.59	.53	.425	.319
151563	DPJ-026A	15.1 x 8.0 Dia.	4/E	1/A	2.5 mm F	1.49	1.24	1.13	.99
159506	PJ1015A	35.8 x 12.6 Dia.	8/F	3/A	2.5 mm F	1.69	1.50	1.36	1.22
202358	HD2388	17.0 x 12.0 Dia.	5/C	3/A	2.5 mm F	1.19	1.09	.98	.88
3.5 mm Female Jacks									
109496	PJ035PM	10.5 x 9.0 x 8.8	2/C	2/A	3.5 mm M	\$.53	\$.472	\$.425	\$.378
165730	PJ0354	8.9 x 5.7 Dia.	7/C	3/A	3.5 mm M	.79	.67	.56	.45



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Male & Female Power Plugs

- Use with mating power jacks found in table, above
- Solder eyelets 1mm diameter
- Threaded screw-on housing (strain relief)
- Use with AC/DC wall adapters, pgs 114-113
- Shield crimp tabs
- Use 24 AWG 2 conductor wire, P/N 100280, pg 45, to make custom length power cables

★ Web Code: **TAH**

Part Number	Cross Ref. No.	Description Plug ID x OD (mm)	Dimensions (mm) S x L x ID (strain relief)	Type	Pricing			
					1	10	100	1000
Female Plugs								
71192	PP137	1.3 x 3.5	9.6 x 43.9 x 4.8 (blk)	1/A	\$.95	\$.86	\$.76	\$.57
191484	PP049W	2.1 x 5.5	9.6 x 43.9 x 4.5 (wht)	1/A	.71	.64	.58	.435
28760	PP049	2.1 x 5.5 (P205)	8.5 x 41.4 x 4.6 (blk)	1/A	.79	.69	.55	.49
147329	PP049L	2.1 x 5.5 (P205L)	14.0 x 46.4 x 4.6 (blk)	1/A	1.09	.98	.76	.57
138587	PJ021R	2.1 x 5.5 rt. angle	12.0 x 22.5 x 3.9 (blk)	1/B	.89	.75	.65	.59
190538	PP109S	2.5 x 5.5 (P206S)	9.0 x 43.5 x 4.8 (blk)	1/A	.45	.37	.33	.26
28768	PP109	2.5 x 5.5 (P206)	10.1 x 45.4 x 4.3 (blk)	1/A	.89	.75	.59	.49
147336	PP109L	2.5 x 5.5 (P206L)	13.6 x 47.5 x 4.8 (blk)	1/A	.90	.82	.65	.49
168242	PP109N	2.5 x 5.5	13.7 x 36.5 x 3.9 (blk)	1/C	.65	.536	.471	.383
Male Plugs								
101135	PJ1025	2.5 (P201)	11.1 x 49.0 x 4.3 (blk)	2/A	\$.71	\$.64	\$.468	\$.351
101152	PJ1035	3.5 (P202)	13.8 x 51.8 x 4.2 (blk)	2/A	.61	.47	.384	.32

Automobile Power Plug & Cord Assembly

- Screw assembly with strain relief
- Accepts .25" x 1.25" fuse

Part No.	Description	1	10	100
115002	W/ 5A/250VAC fuse	\$2.35	\$2.11	\$1.65
124760	W/ 3A/250VAC fuse & 3' cord (pigtail end)	2.49	1.99	1.49

The Best Warranty in the Industry



30-Day Returns >>>

If for any reason you aren't happy with your purchase during the first 30 days from the time of shipment, we'll take it back.

90-Day Returns >>>

We warrant all products we sell against manufacturer defects for a full 90 days from the time of shipment. While our competitors will make you hunt down the contact information for the manufacturer, we'll just repair or replace the product.

One-Year Warranty >>>

All Jameco ReliaPro, Jameco ValuePro and BenchPro products are warranted against defects in material or workmanship for a period of one year from the time of shipment.

* For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 159.

3VDC – 24VDC Motors

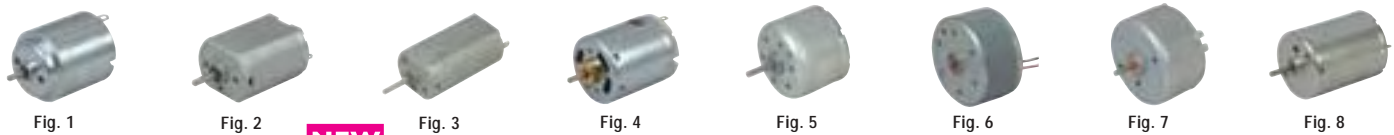


Part No.	Product No.	Manufacturer	Fig.	Nominal Voltage (VDC)	Voltage Range (VDC)	@ Maximum Efficiency			Efficiency	Terminal Type	Shaft Dia. (in.)	Shaft Length (in.)	Size (in.) (Dia. x Depth)	Pricing		
						Current (Amps)	Speed (RPM)	Torque (g-cm)						1	10	100
1939589	FF-130RH-15210	Mabuchi Motor	1	3	1-4	0.17	4280	5.8	—	.08*/solder	0.08	.24/.21	.79 x 0.98	\$1.09	\$.99	\$.75
154923	ST-130-22770	Star Motor	2	3	1.5-3	1.150	12500	10.3	40	0.09*/solder	0.08	0.37	.79 x 1.13	1.39	1.28	1.19
211246	RC-260RA-2670	Mabuchi Motor	3	4.5	3-4.5	1.430	15290	21.8	53	0.11*/solder	0.08	0.28	.93 x 1.06	1.05	.94	.71
177498	RC280RA-2485	Mabuchi Motor	4	7.2	3-14	1.180	14260	33.3	57	0.11*/solder	0.08	0.43	.95 x 1.20	2.19	1.85	1.65
174693	21226-384221	Johnson Electric	5	12	9-14	0.015	3000	85.06	—	0.11*/solder	0.08	0.69	.97 x 1.19	2.95	2.65	2.45
206949	QJT360S14280	Nichibo	6	12	9-30	0.350	4930	44.5	52	0.11*/solder	0.09	0.45	1.09 x 1.30	2.15	1.83	1.37
667411	RF270RH-12370	Mabuchi Motor	7	12	6-15	0.140	5130	19.2	—	0.08*/quick conn.	0.08	0.59	.96 x 1.21	1.19	.99	.75
1586031	FK-260SA	Mabuchi Motor	1	12	12-24	0.027	5800	14.8	—	0.08*/solder	0.08	0.42	.96 x 1.06	1.59	1.39	1.25
1810099	FK-260SA (14280)	Mabuchi Motor	1	12	—	0.063	8600	—	—	0.08*/solder	0.08	0.43	.96 x 1.06	1.95	1.75	1.49
1586058	FK130RH-10450	Mabuchi Motor	8	12	6-18	0.036	9750	8.9	—	0.08*/solder	0.08	0.31	.80 x 0.99	2.49	2.25	1.95
1586023	RK370C	Mabuchi Motor	5	24	12-30	0.15	3850	19.3	—	0.08*/solder	0.08	0.67	.96 x 1.21	2.49	2.25	1.95
1586040	RS365PH-11240	Mabuchi Motor	9	24	9-28	0.070	10700	411	—	0.011*/solder	0.09	0.49	1.08 x 1.28	2.49	2.25	1.95

2VDC – 12VDC Motors

Applications: • RC cars and airplanes • Arcade games • Vending machines • Office automation products • Tire pumps • Christmas trees
 • Motorized toys • Vacuum cleaners • Hair removers • Blow dryers • Paper shredders • Cordless power tools

JAMECO EXCLUSIVE



Nichibo-Type

Part No.	Product No.	Fig.	Nominal Voltage (VDC)	Voltage Range (VDC)	@ Maximum Efficiency			Efficiency	Terminal Type	Shaft Dia. (")	Shaft Length (")	Body Size (in) Dia. x Depth	Pricing		
					Current (Amps)	Speed (RPM)	Torque (g-cm)						1	10	100
232135	FF-050S-13130	3	2	2-4	0.11	3000	3	42.0	Solder	0.059	0.433	0.610 x 1.059	\$2.35	\$2.10	\$1.98
1951449	QJT-260-18130	1	3	1.5-4.5	0.46	4780	10.0	—	Solder	0.078	0.314	0.944 x 1.071	1.58	1.50	1.45
232144	FF-050S-11170	3	7	1.5-9	0.17	8500	7	51.3	Solder	0.059	0.433	0.610 x 1.059	3.05	2.58	1.94
232012	MD5-12160	4	12	12-24	0.30	4000	34.3	39.1	Solder	0.091	0.622	1.082 x 1.279	1.95	1.75	1.65
231731	PC-130SF-09480	2	12	6-24	0.11	4800	12.3	49.6	Solder	0.078	0.377	0.803 x 0.984	2.09	1.78	1.33
231896	FE-260-08450	1	12	6-12	0.11	5560	10.3	46.6	Solder	0.078	0.314	0.937 x 1.063	1.29	1.09	.89
232022	MD5-1885	4	12	6-18	0.74	9820	53.5	60.7	Solder	0.091	0.622	1.082 x 1.279	2.35	2.00	1.58
232047	MD5-2445	4	12	6-12	2.05	19850	79.7	66.0	Solder	0.091	0.622	1.082 x 1.279	2.25	1.91	1.43

Mabuchi-Type

238465	RF-310TA-11400 (CCW)	5	2.5	1-6	0.06	2190	3.3	—	Solder	0.078	0.700	0.962 x 0.712	\$2.99	\$2.55	\$1.91
238458	RF-300PA-11400 (CW)	6	3	1-3	0.07	2400	4.3	56.4	Wires	0.078	0.200	0.960 x 0.504	4.35	3.70	2.77
238473	RF-370CA-15370	8	12	3-12	0.17	4840	187	—	Solder	0.078	0.346	0.960 x 1.213	5.55	4.72	3.54
238511	RF-500TB-12560	7	6	1.5-12	0.08	2180	11.6	50.6	Solder	0.078	0.385	1.259 x 0.767	3.95	3.49	2.75

1.3VDC & 3VDC Vibrating Motors

• Typical applications: cellular phones, pagers and toys

★ Web Code: NBC

JAMECO EXCLUSIVE



Part No.	Cross Ref. No.	Fig.	Operating Voltage (VDC @ mA)	Operating Range (VDC)	Rated RPM @ VDC	Lead Length (in.)	Motor Size (A x B) Dia. " x Length"	Shaft Size (C x D) Dia. " x Length"	Pricing		
175062	OTL-7AL	1	1.3 @ 62	0.70 - 1.60	7000 @ 1.3	0.7	0.28 x 0.67	0.10 x 0.18	\$5.95	\$5.49	\$4.09
256306	6ZK003	2	1.3 @ 80	0.85 - 1.60	8500 @ 1.3	1.0	0.23 x 0.39	0.10 x 0.10	3.29	2.99	2.24
256365	7ZK692	2	3.0 @ 60	2.40 - 3.00	6500 @ 3.0	4.7	0.28 x 0.66	0.18 x 0.22	4.65	3.95	2.96
256382	7ZK681	2	3.0 @ 60	2.40 - 3.60	7500 @ 3.0	1.1	0.28 x 0.66	0.12 x 0.16	4.65	3.95	3.15
256314	6ZK053	2	3.0 @ 75	1.60 - 3.60	8500 @ 3.0	1.0	0.23 x 0.39	0.10 x 0.10	3.29	2.80	2.10
256331	6ZK261	3	3.0 @ 75	2.40 - 3.00	8500 @ 3.0	PC term.	0.27 x 0.48	0.11 x 0.11	3.29	2.99	2.69
256090	4ZK091	2	3.0 @ 80	2.40 - 3.60	11000 @ 3.0	1.0	0.16 x 0.43	0.07 x 0.17	5.95	5.35	4.85

★ For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 159.

DC Reversible Gear Head Motors & Motor Controllers



JAMECO ReliaPro

6, 12 & 24VDC Reversible Gear Head Motors

- Solder-type terminal
- High torque construction
- Dielectric strength: 300VDC
- Insulation resistance: 10MΩ
- Oil bearing design for long service life

GH30GM Series

* Web Code: KBB

Part No.	Cross Ref. No.	Rated Voltage (VDC)	Operating Range (VDC)	@ Maximum Efficiency			Gear Ratio	Gear Case Size Dia. x Length (in.)	Motor Size Dia. x Depth (in.)	Shaft Size Dia. x Length (in.)	Pricing		
				Current (mA)	Speed (RPM)	Torque (g-cm)					1	10	50
170642	GH12-1828Y-10	12	6.0 - 24	105	8	3500	332:1	1.2 x 1.2	1.2 x 0.9	0.16 x 0.70	\$27.35	\$23.25	\$20.93
153438	GH12-1045Y	12	3.0 - 12	90	7	800	200:1	0.9 x 1.0	1.1 x 0.6	0.16 x 0.70	18.95	17.09	15.35
159418	GH12-1921Y	12	4.5 - 12	200	35	2000	132:1	1.2 x 1.2	1.2 x 0.9	0.16 x 0.70	26.19	23.59	21.25
162191	GH12-1324Y225	12	4.5 - 12	145	176	300	30:1	1.0 x 0.9	1.1 x 0.6	0.16 x 0.70	17.79	16.01	14.44

GH35GM Series

Part No.	Cross Ref. No.	Rated Voltage (VDC)	Operating Range (VDC)	@ Maximum Efficiency			Gear Ratio	Gear Case Size Dia. x Length (in.)	Motor Size Dia. x Depth (in.)	Shaft Size Dia. x Length (in.)	Pricing		
				Current (mA)	Speed (RPM)	Torque (g-cm)					1	10	50
155012	GH12-1926	12	4.5 - 12	250	2	6000	3000:1	1.3 x 0.9	1.5 x 1.1	.23 x .90	\$21.95	\$19.79	\$17.79
155821	GH12-1830Y-P	12	4.5 - 12	220	4.5	4500	1000:1	1.3 x 0.9	1.5 x 1.0	.23 x .90	22.89	20.63	18.54
155839	GH12-1641T-L	12	3.0 - 12	250	20	3000	270:1	1.3 x 0.9	1.5 x 0.8	.23 x .90	25.95	23.95	21.45
152911	GH12-1926Y	12	4.5 - 12	172	35	2370	100:1	1.3 x 1.0	1.5 x 0.7	.24 x .90	24.95	22.95	20.95
151441	GH12-1632TI	12	4.5 - 12	275	57	2200	100:1	1.3 x 0.9	1.5 x 0.7	.23 x .90	21.95	18.55	16.69
155855	GH12-1641T-F	12	3.0 - 12	250	71	1000	60:1	1.3 x 0.9	1.4 x 0.9	.23 x .90	24.75	22.30	20.00
155863	GH12-1926Y-F	12	4.5 - 12	300	70	1000	60:1	1.3 x 0.9	1.4 x 0.9	.23 x .90	24.95	21.95	17.95
161374	GH12-1345T	12	4.5 - 12	185	116	650	30:1	1.3 x 0.9	1.5 x 0.7	.23 x .90	23.95	21.59	19.45
161382	GH12-1634T	12	4.5 - 12	293	145	850	30:1	1.3 x 0.9	1.4 x 0.7	.23 x .90	21.95	19.79	17.79
164786	GH12-1640Y	12	4.5 - 24	120	220	180	10:1	1.3 x 0.9	1.4 x 0.7	.23 x .90	28.95	26.95	20.95
176050	GH12-1640Y00	24	12 - 24	340	1.8	6000	3000:1	1.3 x 0.9	1.5 x 1.1	.23 x .90	21.95	18.66	17.17
176032	GH24-1640Y06	24	12 - 24	340	50	2000	90:1	1.3 x 0.9	1.4 x 0.7	.23 x .90	24.95	21.95	15.95
176023	GH24-1640Y19	24	12 - 24	340	148	1000	30:1	1.3 x 0.9	1.4 x 0.7	.23 x .90	28.49	25.59	22.99

HN27GD Series

Part No.	Cross Ref. No.	Rated Voltage (VDC)	Operating Range (VDC)	@ Maximum Efficiency			Gear Ratio	Gear Case Size Dia. x Length (in.)	Motor Size Dia. x Depth (in.)	Shaft Size Dia. x Length (in.)	Pricing		
				Current (mA)	Speed (RPM)	Torque (g-cm)					1	10	50
167039	GH12-0953Y	12	4.5 - 24	90	9	1200	188:1	1.0 x 0.9	1.1 x 1.0	0.16 x 0.60	\$19.05	\$17.10	\$15.39
167047	GH12-1828Y	12	4.5 - 24	195	31	1300	90:1	1.1 x 1.3	1.1 x 0.8	0.16 x 0.60	24.79	22.29	20.09

32GM Series

NEW MARKED IN PINK

Part No.	Cross Ref. No.	Rated Voltage (VDC)	@ Maximum Efficiency			Gear Ratio	Gear Case Size Dia. x Height (in.)	Motor Size Dia. x Depth (in.)	Shaft Size Dia. x Length (in.)	Pricing		
			Current (mA)	Speed (RPM)	Torque (g-cm)					1	10	50
253307	32-002	6	38	8	1200	150:1	1.9 x 0.41	1.3 x 0.90	0.3 x 0.7	\$20.65	\$17.55	\$13.16

38GM Series

Blue Part No. = Limited Quantity Available

Part No.	Cross Ref. No.	Rated Voltage (VDC)	@ Maximum Efficiency			Gear Ratio	Gear Case Size Dia. x Height (in.)	Motor Size Dia. x Depth (in.)	Shaft Size Dia. x Length (in.)	Pricing		
			Current (mA)	Speed (RPM)	Torque (g-cm)					1	10	50
253534	38-010	12	97	24	7500	250:1	1.5 x 0.7	1.3 x 1.0	0.2 x 0.5	\$21.85	\$19.71	\$14.78
253527	38-009	12	93.5	36	5400	167:1	1.5 x 0.7	1.3 x 1.0	0.2 x 0.5	21.85	19.71	17.70
253500	38-007	12	82	60	3200	100:1	1.5 x 0.7	1.3 x 1.0	0.2 x 0.5	21.79	18.52	17.59
253497	38-006	12	80	66	2100	90:1	1.5 x 0.7	1.3 x 1.0	0.2 x 0.5	20.39	18.39	16.52
253490	38-005	12	76	110	1300	56:1	1.5 x 0.7	1.3 x 1.0	0.2 x 0.5	20.75	18.73	16.82
253472	38-004	12	74	120	1100	50:1	1.5 x 0.7	1.3 x 1.0	0.2 x 0.5	21.85	19.75	17.95
253446	38-001	12	61.8	600	350	10:1	1.5 x 0.7	1.3 x 1.0	0.2 x 0.5	21.85	19.71	17.69

120VAC Gear Motor

6.0 RPM - 2.9 Watt

- Torque: >3.6 kg-cm
- Connector: 12" wires
- Shaft diameter: 0.27"
- Shaft length: 0.65"
- Operating voltage: 120VAC @ 60Hz
- Screw down tabs for mounting (2.3" diagonal mounting hole space)
- Size: 2.0" Dia. x 1.0" Thick
- Typical applications: air conditioner turnleaf motor, microwave turnplate motor

* Web Code: KBB



Part No.	Cross Ref. No.	1	10	100
213488	50TYZ	\$14.95	\$12.49	\$10.95

Web Enabled Catalog

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Multi-Stepper Motor Control Board



- 11 analog channels, A/D converter, 12-bit resolution
- 24-bit position register; can be read while motor is moving
- Linear acceleration/deceleration capability up to 8500 step/sec.
- High-speed serial communication interface 9.6kbps-230.4kbps
- Full step (monophasic and biphasic), half step and external driver modes
- Simultaneous/independent control of up to 16 stepper motors through a single serial port
- Current-mode coil driver up to 2A/45V
- 26 digital I/O and two SPI interfaces for control of external devices
- Size: 7.7"L x 5.0"W x 1.0"H

Shown w/ motors - not included

* Web Code: VBA

Part No.	Description	1	10
168729	Stepper motor control brd	\$399.95	\$379.95



RMV856-ET Stepped Motor Controller

- Internal step register counts up to 16 million steps per motion
- CMOS, +5V device combines high performance with low cost
- Capable of generating step rates from 16 steps/sec to 8500 steps/sec using pulse and direction signals
- External programmable events: trigger waits, loops, program branches and stepping motions
- Supports programmable start rate, accel/decel, slew rate and absolute or relative control position
- Internal or external direction control and separate limit switch for interfacing analog to digital or digital to analog converter
- Programmable stall detection feature controls positioning error

* Web Code: VBA

Part No.	Package	1	10	50
355186	DIP-40	\$58.15	\$52.86	\$48.00

* For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 159.

JAMECO ReliaPro

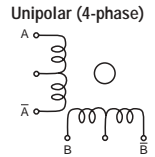
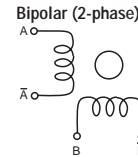
Bipolar & Unipolar Stepper Motors

Jameco offers the industry's widest variety of off-the-shelf two-phase bipolar and four-phase unipolar stepper motors for your precision applications. Be sure to check out the wide selection of 2 to 200 VDC models below.

- Ball bearings
- Dielectric strength: 500V, 50Hz/minute
- Insulation resistance: 100MΩ @ 500VDC
- 18" lead wires
- Ambient temp.: -10°C to +55°C
- Use P/N 161998, pg 158, for shaft coupler

QUANTITY SAVE

★ Web Code: UBN



Part No.	Cross Ref. No.	*Mfr.	Fig.	Drive System	Voltage (VDC)	Step Angle	Phase Resis. (Ohms)	Curr. (mA)	Phase Inductance (mH)	Detent Torque (g-cm)	Holding Torque (g-cm)	Mounting Hole Space Diagonal (in.)	Mounting Holes (in.)	Shaft Dia. (in.)	Shaft Length (in.)	Motor Dia. (in.)	Motor Depth (in.)	Wt. (lbs.)	Pricing		
																			1	10	50
1581231	PX243M-01AA	OMR	1	Unipolar	4	0.9	8.4	670	10	—	793	1.79	0.08	0.195	0.88	1.67	1.27	—	\$9.95	\$8.95	\$7.95
237489	39BYG001	JRP	2	Bipolar	5	1.8	5	1000	—	150	1800	1.22	0.10	0.20	0.91	1.54	1.34	0.44	19.95	16.29	12.95
237578	57BYG061	JRP	3	Bipolar	6	1.8	12	500	24	—	3569	1.86	0.20	0.25	0.83	2.29	1.61	1.00	37.95	29.95	26.95
155460	42BYG023	JRP	2	Bipolar	12	1.8	30	400	36	220	2100	1.73	0.10	0.20	0.60	1.70	1.30	0.50	20.95	18.99	17.51
237472	39BYG401A	JRP	2	Bipolar	12	1.8	30	400	32	200	2100	1.22	0.10	0.20	0.95	1.54	1.34	0.44	21.49	19.49	17.49
237569	57BYG009	JRP	3	Unipolar	2.4	1.8	1	2400	1.5	—	5914	1.86	0.20	0.25	0.83	2.29	2.20	1.40	31.95	27.95	20.95
237614	57BYGH801	JRP	4	Unipolar	3.3	1.8	2.2	1500	22	—	5608	1.86	0.20	0.25	0.83	2.24	2.01	1.32	32.95	29.95	22.95
237535	42BYGH102	JRP	5	Unipolar	3.6	1.8	3	1200	3.2	220	3000	1.22	0.10	0.20	0.95	1.67	1.57	0.50	21.55	19.38	17.46
237552	57BYG008	JRP	3	Unipolar	4	1.8	3.1	1300	4.4	—	4996	1.86	0.20	0.25	0.83	2.29	2.01	1.30	33.95	30.45	26.95
237623	57BYGH802	JRP	4	Unipolar	4.8	1.8	3.2	1500	2.9	—	8157	1.86	0.20	0.25	0.83	2.24	2.20	1.54	41.49	37.39	33.64
237607	57BYGH001	JRP	4	Unipolar	5	1.8	5	1000	—	—	3976	1.86	0.20	0.25	0.83	2.24	1.61	1.10	36.89	33.21	24.91
237825	25BY4801	JRP	6	Unipolar	5	7.5	10	500	—	45	110	1.38	0.14	0.08	0.35	0.98	0.56	0.07	9.79	8.13	7.55
237674	35BY48B06	JRP	7	Unipolar	5	7.5	10	500	65	65	250	1.65	0.13	0.08	0.45	1.38	0.59	0.15	9.49	8.49	7.59
223870	57BYG070	JRP	3	Unipolar	5.4	1.8	3.6	1500	6	977	8974	2.65	0.20	0.25	0.80	2.20	2.20	2.00	52.45	44.57	33.42
237631	57BYGH803	JRP	4	Unipolar	6.3	1.8	4.2	1500	—	—	14276	1.86	0.20	0.25	0.83	2.24	2.99	2.43	59.95	54.95	39.95
172646	42BYG205	JRP	3	Unipolar	9.6	1.8	75	480	15	220	2300	1.73	0.10	0.20	0.90	1.70	1.40	0.50	21.35	18.15	13.61
224022	42BYG016	JRP	2	Unipolar	12	1.8	75	160	40	150	900	1.73	0.10	0.20	0.70	1.70	1.30	0.50	20.35	18.95	18.00
155433	42BYG228	JRP	2	Unipolar	12	1.8	30	400	23	220	2000	1.73	0.10	0.20	0.90	1.70	1.50	0.50	20.55	18.64	16.70
237543	57BYG007	JRP	3	Unipolar	12	1.8	32	380	30	—	2957	1.86	0.20	0.25	0.83	2.29	1.61	1.00	36.25	30.79	23.84
238538	42BYGH404	JRP	5	Unipolar	12	1.8	30	400	25	250	3200	1.22	0.10	0.20	0.95	1.67	1.89	0.60	22.05	19.83	17.85
162027	57BYG084	JRP	3	Unipolar	12	1.8	20	600	22	725	6000	2.65	0.20	0.25	1.00	2.20	2.00	1.30	35.95	32.75	29.65
454475	41118S-62-07	LIN	8	Bipolar	24	1.8	0.6	2500	.93	—	3240	—	—	0.190	0.50	1.67	1.34	—	12.95	11.49	9.95
1585653	KP35FM2-044	JPN	9	Bipolar	24	1.8	—	500	7.8	90	700	1.45	0.09	0.197	0.90	1.62	1.05	—	9.95	8.95	7.95

*155460: Dual shaft

KAE Industrial Motion Controllers for Brush, Brushless & Stepper Motors

323942: PIC-SERVO motor control board

- For brush-type DC motors with 2 or 3 channel incremental encoders
- P.I.D. Servo control, trapezoidal position profiling, velocity mode, 32-bit resolution
- Integrated 12 to 48VDC supply power amplifier @ 3A continuous, 6A peak
- Limit switch inputs, general purpose analog input, PWM, DIR output for use with external amps

323951: PIC-SERVO 3PH motor control board for brush or brushless motors

- For 3-phase brushless motors with hall effect sensors or conventional DC brush-type motors
- High current amplifier: 7A continuous, 10A peak, 12 to 48VDC supply
- Support for linear & circular interpolation using the PIC-SERVO CMC chipset
- P/N 323951 Amplifier capable of driving 6A continuously @ up to 48VDC

184997: PIC-STEP motor control board

- Integrated indexer and driver for 2 or 4 phase stepper motors
- Full/half step bipolar chopper drive, 2A per phase, 7.5 to 46VDC supply
- Trapezoidal position profiling, velocity mode, up to 50,000 steps per second

★ Web Code: QBV

Part No.	Description	Size	1	10
323942	KAE-TOV10-BDV1	3.1"L x 2.1"W x 0.9"H	\$169.55	\$152.59
323951	KAE-TOV10-BD3PHV1	3.1"L x 3.1"W x 0.9"H	239.95	199.95
184997	PIC-STEP	3.1"L x 2.1"W x 0.9"H	159.95	143.95



12VDC Solenoid Valve

- Operating voltage: 12VDC
- Dimensions: 1.2"L x 0.92" Dia.
- 0.250" quick disconnect terminals
- Operational temperature: -29°C to 85°C
- Air leakage: 4psi, 1c.c./min. max.
- Current: 350mA



Part No.	Description	1	10	100
169835	Solenoid valve	\$9.95	\$8.95	\$7.49

12VDC Power Solenoid

- 12VDC • 4Ω coil
- Handles a 225A load
- Intermittent 50% duty cycle
- 1/4-20 copper studs
- Contractors power solenoid
- 2.25" mounting centers
- Size: 1.86" x 3" base



Part No.	Product No.	1	10	100
1585645	93285	\$4.95	\$4.49	\$3.95

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RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 159.

Solenoids & Binary Switches

3 LEVELS OF SAVINGS
FRANCHISE SOURCED
GENERIC HOUSE BRANDS
FACTORY OVERRUN

JAMECO ReliaPro

12VDC & 24VDC Continuous Push/Pull Solenoids



QUANTITY SAVE

JAMECO EXCLUSIVE

Part No.	Cross Reference No.	Type	Voltage (VDC)	Coil Res. (±10%) (Ohms)	Power Consump. (W)	Holding Force (lbs. @ 20°C)	Stroke (ins.)	Size L x Dia. (ins.)†	Shaft Dia. (ins.)	Wt. (lbs.)	Pricing		
											1	10	100
1919351	SMO-0415S12STD	Open frame-push	12	180	0.8	0.026	0.2	0.6 x 0.4 x 0.3	0.157	0.02	\$17.65	\$13.81	\$10.63
1919377	SMO-0415L12STD	Open frame-push	12	120	1.2	0.04	0.1	0.8 x 0.5 x 0.4	0.157	0.02	17.65	13.81	10.63
1919385	SMO-0420S12STD	Open frame-push	12	120	1.2	0.04	0.1	0.8 x 0.5 x 0.4	0.06	0.02	17.65	13.81	10.63
1919406	SMO-0630S12STD	Open frame-push	12	60	2.4	0.187	0.1	1.2 x 0.8 x 0.6	0.06	0.1	18.95	15.09	11.60
1919393	SMO-0420L12STD	Open frame-pull	12	120	1.2	0.04	0.1	0.8 x 0.5 x 0.4	0.07	0.02	17.65	13.81	10.63
262247	SMO-0520L12STD	Open frame-pull	12	90	1.6	0.16	0.24	0.8 x 0.6 x 0.5	0.200	0.04	13.79	11.72	8.80
1919414	SMO-0630L12STD	Open frame-pull	12	60	2.4	0.187	0.1	1.2 x 0.8 x 0.6	0.06	0.1	18.95	15.09	11.60
262263	SMO-0837L12STD	Open frame-pull	12	36	4.0	1.10	0.24	1.5 x 1.0 x 0.8	0.310	0.21	10.95	9.95	6.95
262272	SMO-0837S12STD	Open frame-pull	12	36	4.0	1.10	0.24	1.5 x 1.0 x 0.8	0.08/0.31*	0.21	10.09	9.11	8.22
262167	SMT-1325L12STD	Tubular-pull	12	36	4.0	0.11	0.47	1.0 x 0.5	0.200	0.05	14.95	12.95	9.95
142464	SMT-1130L12A	Tubular-pull	12	36	4.0	0.63	0.40	1.6 x 0.4	0.150	0.04	8.95	7.95	7.39
1919422	SMT-1632L12STD	Tubular-pull	12	26.6	5.5	0.88	0.06	1.6 x 0.6	0.196	0.1	26.49	22.05	17.15
1919449	SMT-1939L12STD	Tubular-pull	12	20.6	7.0	1.3	0.07	1.6 x 0.8	0.09	0.18	24.39	20.83	16.32
1919465	SMT-2551L12STD	Tubular-pull	12	14.4	10.0	1.5	0.18	2.0 x 1.0	0.118	0.4	24.39	20.83	16.32
1919481	SMT-3257L12STD	Tubular-pull	12	11.07	13.0	3.7	0.18	2.3 x 1.3	0.157	0.65	29.45	26.35	22.10
262203	SMT-3864L24STD	Tubular-pull	24	34	17.0	1.32	1.18	2.5 x 1.5	0.620	1.10	29.95	25.45	20.99
1919191	121E18711	Tubular-pull	24	44	12.8	1.0	1.0	2.3 x 1.0	0.43	0.40	22.95	19.95	17.95
215141	SMT-2251L24AA	Tubular-pull	24	60	10.0	4.00	1.00	3.0 x 1.0	0.440	0.40	13.95	12.95	11.95
149754	SMT-1325S12A	Tubular-push	12	36	4.0	0.75	0.47	1.9 x 0.5	0.063	0.05	17.99	15.68	14.84
1919431	SMT-1939S12STD	Tubular-push	12	20.6	7.0	1.3	0.07	1.6 x 0.8	0.09	0.18	26.85	22.91	17.95
149762	SMT-1632S12A	Tubular-push	12	21	7.0	1.5	0.24	2.5 x 0.6	0.098	0.10	12.35	11.13	10.01
1919457	SMT-2551S12STD	Tubular-push	12	14.4	10.0	1.5	0.18	2.0 x 1.0	0.118	0.39	24.39	20.83	16.32
1919473	SMT-3257S12STD	Tubular-push	12	11.07	13.0	3.7	0.18	2.3 x 1.3	0.157	0.65	29.45	26.35	22.10
262191	SMT-3257S24STD	Tubular-push	24	44	13.0	6.80	0.70	2.3 x 1.3	0.160	0.65	28.75	24.43	18.32

† Open frame type dimensions: L" x W" x H"

* Dual shaft

Ⓢ Blue Part No. = Limited Quantity Available

Pushbutton & Thumbwheel Binary Coded Decimal (BCD) Switches



26789
(2 switches shown)

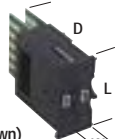
JAMECO EXCLUSIVE

Pushbutton and Thumbwheel Switch Specifications:

JAMECO ValuePro

QUANTITY SAVE

*Web Code: QAD



26818
(2 switches shown)

- Contact resistance: 100mΩ max.
- Switches snap together
- Operating temp.: -40°C to +85°C
- Continuous load: 1 amp max.
- Front snap-tab mounting w/ end plates
- Break before make
- 1/16" maximum panel thickness
- Gold plated BE-CU alloy contacts
- 0.15A @ 50VAC/28VDC

Part No.	Cross Ref. No.	Description	Size (L" x W" x D")	Character Height	Pricing		
					1	10	50
26789	MX72	10-position pushbutton	1.2 x 0.3 x 1.7	0.19"	\$6.85	\$6.17	\$4.93
26818	MX83	10-position thumbwheel	1.2 x 0.3 x 1.9	0.25"	4.75	4.19	3.75



Pushwheel Switch

- Contact resistance: 0.1Ω max.
- Insulating resistance: 10,000MΩ
- Max. non-switching current: 1A
- Selector switches with very small dimensions for front-mounting
- Printed circuit board: glass filled epoxy, copper-plated gold over nickel
- Mounting: front mounting, snap-in end caps
- Mechanical cycle: 10,000,000 operations
- Terminals: gold-plated quick connect terminal or solder pins
- Housing material: PPO (noryl)
- Contacts: WE alloy
- Dielectric strength: 500V
- Electrical rating: 0.1A/50V



*Web Code: QAD

Part No.	Product No.	Description	Pos.	1	10	50
577109	PAGA3100	Hexadecimal (0-9, A-F), short PCB	16	\$12.95	\$10.95	\$9.95

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Ⓡ RoHS compliant product Ⓢ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 159.



- 3 terminals: common; normally open; normally closed
- Size: 1.10"L x 0.40"W x 0.63"H

★ Web Code: UEM

Miniature Basic Switches



Part No.	Product No.	Manufacturer	Actuator Type	Contact Form	Contact Rating	Service Life (Mech./Elec.)	Terminal Type	Pricing		
								1	10	100
1945268	VM-5	Zippy	Roller lever (2.00"L)	SPST	5A @ 125/250VAC	—	0.183" quick connect	\$1.75	\$1.49	\$1.25
159572	VS10N051C	Highly Electric	Hinge roller (0.60"L)	SPDT-NC	10A @ 125VAC, 10A @ 250VAC	10M/100k	0.250" quick disconnect	3.09	2.89	2.55
159581	VS10N021C2	Highly Electric	Hinge lever (1.05"L)	SPDT-NC	10A @ 125VAC, 10A @ 250VAC	10M/100k	0.183" quick connect	2.75	2.45	2.09
187792	V-10G2-1C24K	Omron	Hinge lever (1.08"L)	SPDT-NC	0.1A @ 125VAC, 10A @ 250VAC	50M/300k	0.183" quick connect	2.55	2.35	2.09
187805	V-10G3-1C24K	Omron	Long hinge lever (2.01"L)	SPDT-NC	0.1A @ 125VAC, 10A @ 250VAC	50M/300k	0.183" quick connect	2.89	2.60	2.40



- Economical, subminiature basic switch offers long service life
- Lead spacing: A = 0.35"; B = 0.29"
- Free from overtravel restrictions, permits easy setting
- Dimensions: 0.78"L x 0.25"W x 0.40"H

★ Web Code: MBE

Subminiature Basic Switches

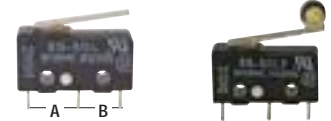


Fig. 1

Fig. 2

Part No.	Product No.	Manufacturer	Fig.	Contact Actuator Type	Form	Service Life Contact Rating	(Mech./Elec.)	Terminal Type	Pricing		
									1	25	50
187709	SS-5GL	Omron	1	Hinge lever (0.6"L)	SPDT-NC	5A @ 125VAC, 3A @ 250VAC	30M/200k	Solder	\$1.59	\$1.39	\$1.23
187733	SS-5GL2	Omron	2	Hinge roller (0.6"L)	SPDT-NC	5A @ 125VAC, 3A @ 250VAC	30M/200k	Solder	1.38	1.33	1.27
159599	SS0505A	Highly Electric	2	Hinge roller (0.7"L)	SPDT-NC	5A @ 125VAC, 3A @ 250VAC	30M/200k	Solder	1.39	1.29	1.09



Pushbutton Switches

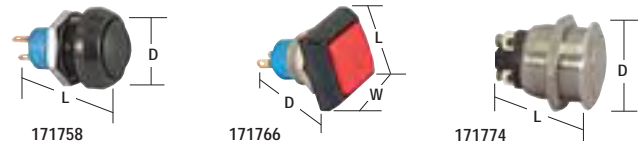
IP and AV Series Panel Mount Pushbutton Switches

171758/171766: IP Series

- Initial contact resistance: 50mΩ max.
- Insulation resistance: 1GΩ min. @ 500VDC
- Mounting hole: 1/2"Dia.
- Dielectric strength: 1500V_{RMS} min.
- Mechanical life: 1,000,000 cycles min.

171774: AV Series

- Initial contact resistance: 10mΩ max.
- Insulation resistance: 1000MΩ min.
- Mounting hole: 3/4"Dia.
- Dielectric strength: 1000V_{RMS} min.



★ Web Code: TBB

Part No.	Product No.	Pins	Type () Momentary	Dimensions			Lead Spacing	Contact Rating	Terminal Type	Pricing			
				L	W	D				1	10	100	250
171758	IPR3SAD2	2	SPST off-(on)	0.82"	—	0.46"	0.19"	0.2A @ 250VAC	Solder	\$14.55	\$12.26	\$11.10	\$9.49
171766	IPC3SAD6	2	SPST off-(on)	0.82"	0.69"	0.46"	0.19"	0.2A @ 250VAC	Solder	20.85	16.67	14.58	13.85
171774	AV191003C900	2	SPST off-(on)	1.20"	—	0.87"	0.37"	0.2A @ 48VDC	Screw	13.95	12.95	11.95	10.95



Soft Touch Pushbutton Switches

- 2-pin
- Lead type: solder terminal
- Contact rating: 164566/164639: 0.5A @ 125VAC; 164582: 1A @ 125VAC; 106112: 3A @ 110VAC

★ Web Code: BBA

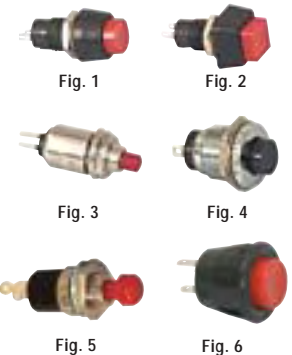
Miniature Soft Touch Switches

Part No.	Product No.	Fig.	Type () Momentary	Dimensions	Lead Spacing	Thread Diameter	Button Color	Pricing			
								1	10	100	500
164494	DS450R	1	SPST off-on	1.2"L x .59"Dia.	.175"	.387"	Red	\$2.25	\$2.07	\$2.03	\$1.94
164486	DS463R	1	SPST off-(on)	1.2"L x .59"Dia.	.175"	.387"	Red	3.05	2.51	2.30	2.05
164523	DS466R	2	SPST off-(on)	1.2"L x .60"Sq.	.160"	.383"	Red	2.29	2.19	2.09	1.99

Standard Touch Switches

Part No.	Type Product No.	Lead Fig.	Thread () Momentary	Button Dimensions	Spacing	Diameter	Color	Pricing			
								1	10	100	500
164566	MS402R	3	SPST off-(on)	.73"L x .22"Dia.	.078"	.190"	Red	\$1.29	\$1.26	\$1.23	\$1.18
164582	DS016B	4	SPST off-(on)	.88"L x .46"Dia.	.220"	.354"	Black	2.05	1.96	1.88	1.80
164639	MS3120R	5	SPST off-(on)	1.1"L x .31"Dia.	.175"	.268"	Red	1.75	1.59	1.45	1.35
106112	DS412R	6	SPST off-(on)	.63"L x .66"Dia.	.275"	.750"	Red	1.19	1.15	1.10	1.06

* Solder lugs



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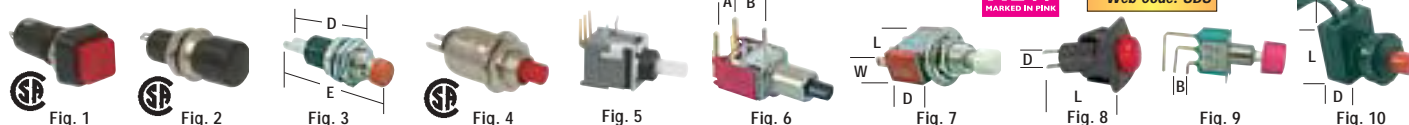
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Pushbutton & Toggle Switches

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GENERIC BRANDS
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FACTORY OVERRUN

JAMECO ValuePro

Pushbutton Switches



Part No.	Cross Ref. No.	Manufacturer	Fig.	Pins	Mounting Hole Dia.	Type	Dimensions (L" x W" x D")	Lead Spacing		Contact Rating	Terminal Type	Button Color	Pricing			
								A"	B"				1	10	100	500
315432	R13-23A-R	Jameco ValuePro	1	2	31/64"	SPST off-(on)	1.13 (D) x 1.53 (E)	.20	—	3A @ 125VAC	Solder	Red	\$1.37	\$1.23	\$1.05	\$.84
315492	R13-23B-B	Jameco ValuePro	1	2	31/64"	SPST off-on	1.13 (D) x 1.53 (E)	.20	—	3A @ 125VAC	Solder	Black	1.36	1.21	1.04	.95
315484	R13-23B-R	Jameco ValuePro	1	2	31/64"	SPST off-on	1.13 (D) x 1.53 (E)	.20	—	3A @ 125VAC	Solder	Red	1.36	1.21	1.04	.95
315441	R13-23A-B	Jameco ValuePro	1	2*	31/64"	SPST off-(on)	1.13 (D) x 1.53 (E)	.20	—	3A @ 125VAC	Solder	Black	1.29	1.19	.99	.92
315599	R13-40A-R	Jameco ValuePro	2	2	31/64"	SPST off-(on)	.98 (D) x 1.56 (E)	.20	—	3A @ 125VAC	Solder	Red	1.29	1.19	1.05	.95
26623	MS102	Jameco ValuePro	3	2	1/4"	SPST off-(on)	.65 (D) x 1.10 (E)	—	.14	3A @ 125VAC	Solder lugs	Red	.66	.60	.54	.42
26649	MS103	Jameco ValuePro	3	2	1/4"	SPST on-(off)	.65 (D) x 1.10 (E)	—	.17	3A @ 125VAC	Solder lugs	Black	.70	.62	.52	.42
315643	R13-81-R	Jameco ValuePro	4	2	13/64"	SPST off-(on)	.44 (D) x .78 (E)	.08	—	.5A @ 125VAC	PC terminal	Red	1.49	1.33	1.23	1.10
202999	BB16	Various	5	3	1/4"	SPDT on-on	.39 x .35 x .35	.18	.10	1A @ 28VAC	Solder right angle	White	.99	.89	.75	.59
71643	SWB210	Jameco ValuePro	6	2	7/32"	SPST off-(on)	.36 x .20 x .33	.20	.20	1A @ 120VAC	PC right angle	Black	2.79	2.45	2.29	1.99
121305	CK8121	Jameco ValuePro	7	3	1/4"	SPDT on-(on)	.52 x .27 x .38	—	.185	5A @ 125VAC	Solder lugs	White	3.59	3.25	2.95	2.65
28063	PB126	Jameco ValuePro	7	3	1/4"	SPDT on-(on)	.52 x .28 x .38	—	.185	5A @ 120VAC	Solder lugs	Red	3.69	3.35	2.99	2.69
174414	R13-510A	Jameco ValuePro	8	2	1/2"	SPST off-(on)	.67 (L) x .31 (D)	—	.167	3A @ 125VAC	Solder lugs	Red	.79	.78	.77	.74
154878	PS11-123	Eaton Corp.	9	3	1/4"	SPDT on-(on)	.50 x .27 x .37	—	.14	5A @ 125VAC	Solder, right angle	Red	1.79	1.70	1.61	1.51
22200	J1881	Judco	10	2*	3/8"	SPST on-off, Alt ¹	.65 x .52 x .40	.25	—	2A @ 14VDC	5" Pigtail	White	1.05	.98	.93	.88
22218	J1882	Judco	10	2*	3/8"	SPST off-(on)	.65 x .52 x .40	.25	—	2A @ 14VDC	5" Pigtail	Red	1.05	.91	.81	.73

* Lead wires 1 Alt = alternate action

C&K

8020 Series Snap-Acting Momentary Pushbutton Switch

- Typical applications: instrumentation, computer peripherals, telecommunications equipment
- Electrical life: 60,000 make and break cycles @ full load
- Contact resistance: below 50mΩ typical initial @ 2-4VDC, 100mA
- Positive tactile feel
- Plunger height: 0.218"
- Insulation resistance: 1,000MΩ min.
- Length: 1.03"

Includes: Nut, locking ring & lockwasher

Part No.	Product No.	Contact Rating	Contact Plating	Bushing	Terminal	Description	1	10	100	500
596799	UB11SH2GE	1A @ 120VAC/28VDC	Gold over silver	0.250"H, flat	Solder lug	Standard plunger, SPDT ON-MOM	\$2.95	\$2.49	\$1.95	\$1.25

C&K TP Series Sealed Tiny Pushbutton Switch

- Contact form: DPST OFF-MOM
- Solder lug

NEW MARKED IN PINK

Part No.	Product No.	Current Rating	1	10	100
596633	TP21SHZQE	1A @ 120VAC/28VDC	\$9.55	\$9.12	\$8.72

GG General Purpose Snap-Action Switch

- Contact form: SPDT
- Terminal: 0.250" QC
- Actuator: plunger

NEW MARKED IN PINK

Part No.	Product No.	Current Rating	1	10	100
617001	35-461	15A @ 480VAC	\$2.25	\$2.07	\$1.91

Switchcraft Cord-Switch®

- Maximum cable side diameter: .375"
- Plastic insulation
- Copper alloy plated housing and switch bushing

Part No.	Product No.	Description	1	10	25
297502	ED903	Cord-switch	\$16.15	\$11.57	\$11.33

GG Medium Duty Toggle Switch

- Type: SPST on-off
- Lead Type: screw
- Contact rating: 6A @ 125 VAC
- Mounting hole: 0.500"

NEW MARKED IN PINK

Part No.	Product No.	Lever Type	1	10	100
621579	35-3035	Bat (brass)	\$2.95	\$2.75	\$2.56

JAMECO ValuePro

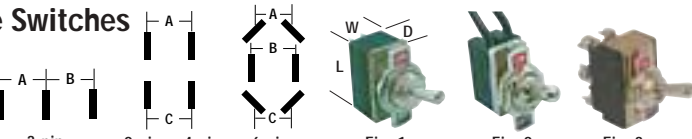
Standard Toggle Switches

- Panel mount
- Medium duty
- Full-size round lever for standard and metal
- Keyed plate indicates switch position
- Mounting hole diameter: 1/2"
- Full-size flat lever for plastic

Includes: Mounting hardware and on/off plate

JAMECO EXCLUSIVE

QUANTITY SAVE



Part No.	Cross Ref. No.	Fig.	Pins	Type	Dimensions L" x W" x D"	Lead Spacing			Contact Rating (A @ VAC)	Lead Type	Lever Type	Pricing				
						A"	B"	C"				1	10	100	500	1000
76241	SWM128	1	2	SPST on-off	1.00 x .56 x .52	.23	—	—	4 @ 125 & 2 @ 250	Solder lugs	Round	\$1.79	\$1.61	\$1.37	\$1.10	\$.82
76232	SWM125	2	2	SPST on-off	1.00 x .53 x .51	—	—	—	6 @ 125 & 3 @ 250	6" lead wire	Round	2.25	2.00	1.86	1.68	1.50
317825	R13-25A2-01	3	2	SPST on-off	1.14 x .59 x .62	.38	.38	—	10 @ 125 & 6 @ 250	.250" quick connect	Metal	2.49	2.25	1.95	1.75	1.49
318002	R13-28A-01	3	2	SPST on-off	1.33 x .75 x .75	.45	.61	.45	15 @ 125 & 10 @ 250	.250" quick connect	Round	2.65	2.39	2.15	1.71	1.59
318123	R13-28D-01	3	3	SPDT on-off-on	1.33 x .75 x .75	.45	.61	.45	15 @ 125 & 10 @ 250	.250" quick connect	Round	2.49	2.25	1.95	1.75	1.49
318141	R13-28D-06	3	3	SPDT on-off-on	1.33 x .75 x .75	.45	.61	.45	15 @ 125 & 10 @ 250	M3 Screw	Round	3.79	3.20	3.02	2.47	1.86
158060	JKN32	1	4	SPDT on-off	1.00 x .56 x .52	.23	—	.23	4 @ 125 & 2 @ 250	Solder lugs	Round	1.45	1.38	1.26	1.02	.77
76260	SWM126	1	6	DPDT on-on	1.12 x .77 x .60	.30	.60	.40	5 @ 125 & 3 @ 250	Solder lugs	Round	1.59	1.43	1.30	1.17	1.05
158078	JKN3CC	1	6	DPDT on-on	1.19 x .76 x .73	.44	.59	.44	10 @ 125 & 6 @ 250	Screw lugs	Round	1.95	1.75	1.59	1.29	.96
318043	R13-28B-01	3	6	DPDT on-on	1.33 x .75 x .75	.45	.61	.45	15 @ 125 & 10 @ 250	.250" quick connect	Round	4.95	4.29	3.85	3.55	3.29
318052	R13-28B-05	3	6	DPDT on-on	1.33 x .75 x .75	.45	.61	.45	15 @ 125 & 10 @ 250	Solder	Round	3.85	3.44	2.66	2.41	2.15

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RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 159.

JAMECO ValuePro



Miniature Toggle Switches

- Mounting hole diameter: 1/4"

Includes: Mounting hardware

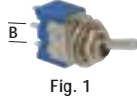


Fig. 1

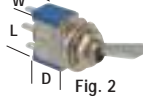


Fig. 2

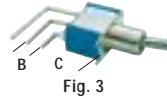


Fig. 3

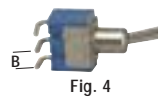


Fig. 4



Fig. 5

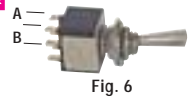


Fig. 6

NEW
 MARKED IN PINK

* Web Code: PAJ

Part No.	Cross Ref. No.	*Manufacturer	Fig.	Pins	Type () Momentary	Dimensions L" x W" x D"	Lead Spacing			Contact Rating (A @ VAC)	Lead Type	Lever Type	Pricing			
							A"	B"	C"				1	10	100	500
76523	JMT113	JVP	1	2	SPST on-off	.52 x .32 x .38	—	.185	—	6 @ 125 & 3 @ 250	Solder lugs	Round	\$1.38	\$1.24	\$1.12	\$.90
21936	JMT123	JVP	1	3	SPDT on-on	.52 x .32 x .38	—	.185	—	5 @ 125 & 2 @ 250	Solder lugs	Round	1.49	1.19	1.05	.81
21910	JMT121	JVP	1	3	SPDT on-off-on	.52 x .32 x .38	—	.185	—	5 @ 125 & 2 @ 250	Solder lugs	Round	1.35	1.25	1.09	.95
22833	LFH123	JVP	2	3	SPDT on-on	.52 x .28 x .36	—	.185	—	5 @ 125 & 2 @ 250	Solder lugs	Flat	1.49	1.40	1.25	1.15
75854	SWM132	JVP	1	3	SPDT on-on	.52 x .32 x .38	—	.185	—	6 @ 125 & 3 @ 250	Solder lugs	Round	1.55	1.40	1.25	1.13
75889	SWM129	JVP	1	3	SPDT (on)-off-(on)	.52 x .32 x .38	—	.185	—	6 @ 125 & 3 @ 250	Solder lugs	Round	1.49	1.25	1.09	.99
26332	MPC123	JVP	1	3	SPDT on-on	.52 x .32 x .37	—	.185	—	6 @ 125 & 3 @ 250	PC straight	Round	1.39	1.25	1.12	.95
26315	MPC121	JVP	1	3	SPDT on-off-on	.52 x .32 x .37	—	.185	—	5 @ 125 & 2 @ 250	PC straight	Round	1.29	1.15	1.05	.95
1585506	7201LYZTME	C&K	1	6	DPDT on-on	.50 x .45 x .35	—	.135	—	5 @ 120 & 2 @ 250	Solder lugs	Round	1.29	1.19	1.10	.99
71597	SWM148	JVP	3	3	SPDT on-on	.52 x .32 x .38	—	.185	.20	5 @ 125 & 2 @ 250	PC right angle	Round	1.29	1.19	.99	.80
202964	WI24	◆	3	6	DPDT on-off-(on)	.50 x .50 x .46	.15	.150	.20	6 @ 125 & 3 @ 250	PC right angle	Round	1.25	.99	.79	.65
75871	SWM145	JVP	4	3	SPDT on-on	.52 x .32 x .38	—	.185	.20	6 @ 125 & 3 @ 250	PC right angle	Round	1.49	1.35	1.09	.86
22841	LFH221	JVP	6	6	DPDT on-off-on	.52 x .52 x .38	.20	.185	—	3 @ 125 & 1 @ 250	Solder lugs	Flat	1.45	1.31	1.11	.88
21979	JMT223	JVP	5	6	DPDT on-on	.52 x .52 x .38	.20	.185	—	5 @ 125 & 2 @ 250	Solder lugs	Round	1.49	1.29	1.15	.99
22859	LFH223	JVP	6	6	DPDT on-on	.52 x .52 x .38	.20	.185	—	5 @ 125 & 2 @ 250	Solder lugs	Flat	1.55	1.43	1.26	1.14
75900	SWM133	JVP	5	6	DPDT on-on	.52 x .52 x .38	.20	.185	—	6 @ 125 & 3 @ 250	Solder lugs	Round	1.79	1.61	1.37	1.10
21952	JMT221	JVP	5	6	DPDT on-off-on	.52 x .52 x .38	.20	.185	—	6 @ 125 & 3 @ 250	Solder lugs	Round	1.55	1.37	1.17	.93
75951	SWM130	JVP	5	6	DPDT (on)-off-(on)	.52 x .52 x .38	.20	.185	—	6 @ 125 & 3 @ 250	Solder lugs	Round	1.49	1.35	1.25	1.00
26367	MPC223	JVP	5	6	DPDT on-on	.52 x .52 x .38	.20	.185	—	5 @ 125 & 2 @ 250	PC straight	Round	1.35	1.22	1.13	.89
26358	MPC221	JVP	5	6	DPDT on-off-on	.52 x .52 x .38	.20	.185	—	5 @ 125 & 2 @ 250	PC straight	Round	1.95	1.76	1.50	1.20

JAMECO ValuePro

NEW
 MARKED IN PINK

Subminiature Toggle Switches

- Mounting hole diameter: 7/32"
- Pre-tinned leads
- Metal construction

Includes: Mounting hardware



Fig. 1



Fig. 2



Fig. 3



Fig. 4

* Web Code: NAN

Part No.	Cross Ref. No.	*Manufacturer	Fig.	Pins	Type	Dimensions L" x W" x D"	Lead Spacing		Contact Rating	Lead Type	Lever Type	Pricing			
							A"	B"				1	10	100	500
106067	SWP124	JVP	1	3	SPDT on-on	.25 x .33 x .40	.20	.10	30mA @ 5VDC	PC right angle	Round	\$2.25	\$2.07	\$1.80	\$1.63
72161	SW1501	JVP	2	2	SPST on-off	.33 x .21 x .33	.10	—	1.5A @ 250VAC	Solder lugs	Round	1.31	1.29	1.25	1.20
75969	SWM136	JVP	2	3	SPDT on-on	.33 x .21 x .33	.10	—	3A @ 125VAC	Solder lugs	Round	1.69	1.52	1.29	1.04
138907	SW1503	JVP	3	6	DPDT on-off-on	.36 x .37 x .33	.17	.10	3A @ 120VAC	Solder lugs	Round	1.55	1.40	1.19	.96
75977	SWM137	JVP	3	6	DPDT on-on	.33 x .37 x .33	.17	.10	1.5A @ 250VAC	Solder lugs	Round	1.49	1.45	1.35	1.17
1585493	ET012D1AVBE	C&K	4	3	SPDT on-on	.32 x .20 x .18	.10	—	20mA @ 20VDC/VAC	PC right angle	Round	1.19	1.09	.99	.75

Honeywell

Sealed Toggle Switches

* Web Code: VEF

- Screw terminals
- UL recognized
- Electrical rating (resistive): 20A @ 28VDC/15A @ 115VAC/6A @ 230VAC
- Temp. range: -85°F to 160°F (-65°C to 71°C)

TL Series

Part No.	Product No.	No. of Poles	No. of Positions	Keyway Position	Center Position	Opposite Keyway Position	Pricing		
							1	10	100
1817477	2TL1-2	2	2	Off	—	2-3, 5-6	\$28.15	\$23.95	\$22.25
1817400	2TL1-1	2	3	1-2, 4-5	Off	2-3, 5-6	30.19	24.24	21.12

NT Series

- Temp. range: -40°C to 71°C (-40°F to 160°F)

Part No.	Product No.	No. of Poles	No. of Positions	Keyway Position	Center Position	Opposite Keyway Position	Pricing		
							1	10	100
1815906	1NT1-2	1	2	Off	—	2-3	\$16.15	\$12.55	\$11.28



1817477



1815906

Slide Switches

- Two mounting flanges
- 6/6 nylon plastic housing
- Phenolic insulated

- Top actuation
- Nylon actual

NEW
 MARKED IN PINK

* Web Code: LAP

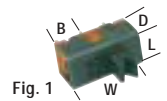


Fig. 1



Fig. 2



Fig. 3

* Order in multiples of 10

Part No.	Product No.	*Manufacturer	Fig.	Pins	Type	Dimensions L" x W" x D"	Lead Spacing		Contact Rating (A @ VAC)	Housing Material	Lead Length	Actuator Height	Pricing			
							A"	B"					1	10	100	250
109171	PC mount	JVP	1	3	SPDT on-on	.22"L x .45"W x .23"D	—	.12	0.5A @ 50VDC	Plastic	.17"	.15"	\$.35	\$.29	\$.25	\$.19
204142	PC mount	C&K	2	3	SPDT on-on	.77"L x .40"W x .37"D	—	.19	2.0A @ 28VDC	Plastic	.19"	.17"	*	.19	.15	.12
202770	PC mount	◆	3	6	SPDT on-on	.35"L x .70"W x .30"D	.17	.20	0.1A @ 30VDC	Plastic	.16"	.32"	*	.19	.15	.12

◆ This product typically requires one to two additional days to ship. Please request 'ship partial' if you prefer the other products on your order ship immediately. A separate shipping charge would apply.

* C&K = C&K Switches | JVP = Jameco ValuePro | ◆ Manufacturer Varies

***For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above**

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. [Details on page 159.](#)

Rocker, Tactile & Keylock Switches

3 LEVELS OF SAVINGS
FRANCHISE SOURCED | GENERIC | HOUSE BRANDS | FACTORY OVERRUN

JAMECO ValuePro

Snap-In Panel Mount Rocker Switches

- On-Off
- Mounting type: panel mount
- Mounting hole: 0.78" L x 0.52" W
- Terminal type: 0.187" quick connect
- 1945276/1945284: 5.5" wire leads



*Web Code: VBU

Part No.	Cross Ref. No.	*Mfr.	Pins	Type	Contact Rating (A@VAC)	Rocker Color	Lead Space		Dimensions (L"xW"xD")	Pricing		
							A"	B"		1	10	100
316014	R13-66A-B-02	JVP	2	SPST	16@125	Black top	0.31	—	.83 x .59 x .63	\$.99	\$.86	\$.56
316022	R13-66A-R-02	JVP	2	SPST	16@125	Red top	0.31	—	.83 x .59 x .63	.99	.86	.56
316111	R13-73A2-B-02	JVP	4	DPS	10@125	Black top	0.20	0.34	.83 x .59 x .68	1.79	1.65	1.45
1945276	BR-12A-55S	PRO	2	SPST	10@125; 5@250	Lt. gray	0.31	—	.83 x .59 x .59	.69	.59	.49
1945284	R13-66	PRO	3	SPST	10@125; 6@250	Dk. gray	0.31	—	.83 x .59 x .55	.69	.59	.49



Standard Appliance Rocker Switch

- Terminal type: 0.250" quick connect
- Panel mount
- Rectangular
- Type: SPDT (on)-off-(on)
- 16A @ 125VAC



Part No.	Product No.	Hole	1	10	100
617473	35-695	0.55" x 1.12"	\$4.25	\$3.64	\$2.73



Snap-In Panel Mount Rocker Switch

- SPDT
- Black
- 16A: 3/4 HP @ 125VAC; 12A: 3/4 HP @ 250VAC
- 16A @ 28VDC
- Slip on terminal (0.25")
- Cut out dimension: .48"W x 1.08"H
- Snaps in to panels from .015" to .125" thick
- Size: 1.185"H x .55"W x .59"D



Part No.	Product No.	1	10	100
1945241	163-099-029	\$.49	\$.39	\$.29

JAMECO ValuePro

Tactile Switches

*Web Code: QBF



- Bounce time: 10 msec.
- SPST momentary ON
- Lead type: PC
- Contact resistance: 100mΩ

NEW MARKED IN PINK

Part No.	Cross Ref. No.	*Mfr.	Fig.	Pins	Dimensions (in.)				Lead Spacing		Contact Rating (mA @ VDC)	Button Color	Pricing		
					L	W	D	C	A"	B"			1	10	100
119011	KTIIBICM	JVP	2	8	.24	.24	.15	.30	.17	.25	20 @ 15	Black	\$.27	\$.24	\$.22
149948	KT11P4CM	JVP	3	4	.24	.24	.15	.13	.17	.25	20 @ 15	Black	.26	.23	.21
153252	SDT620K	JVP	2	4	.24	.24	.15	.06	.17	.25	50 @ 12	Black	.29	.25	.20
155249	KRS-3550-BK	JVP	4	2	.24	.14	.15	—	.27	.50	50 @ 12	Black	.27	.22	.20
155380	KRS-1273B	JVP	5	4	.47	.47	.14	.14	.17	.53	50 @ 12	Brown	.39	.35	.31
1586074	EVQ-PAG04K	PAN	2	4	.24	.24	.14	.05	.17	.26	20 @ 12	Black	.23	.21	.19
122973	DTS1212	JVP	1	4	.47	.47	.18	—	.20	.50	20 @ 15	Black	.29	.19	.17
199726	EVQ11A04M	PAN	7	2	.24	.24	.14	.30	.20	—	20 @ 15	White	.37	.276	.24
202956	KSM06330	♦	2	—	.24	.24	.15	.38	.11	.18	50 @ 24	Red	.29	.26	.19
155256	KRS-3550-WH	♦	2	—	.24	.14	.15	.03	—	.26	50 @ 12	White	.19	.15	.12

♦ See switch cap below

Tactile Switch Cap

Order in multiples of 10

Part No.	Cross Ref. No.	*Mfr.	Fig.	Description	Size (in.)	Material	For Use With	10	100	250
155409	KRS-CAP-B	JVP	6	Round	.50" Dia. x .25"H	Plastic	P/N 155380	\$.18	\$.16	\$.14

JAMECO ValuePro

SPST Round Keylock Switches

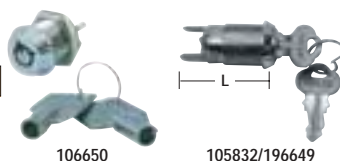
- Used in computer and other security systems
- Mounting hole = 0.75" except P/N 106650 = 0.5"
- Key removable from 2 positions
- Two keys

*Web Code: RAN

196649: all keys are alike

Includes: Mounting nut

JAMECO EXCLUSIVE



Part No.	Cross Ref. No.	No. Flat, Dia.	Length	Terminal	Voltage/Current	1	10	50	100
106650	KS4B	2, 0.21"	0.55"	Barrel	125VAC/3A	\$4.55	\$4.09	\$3.55	\$3.09
105832	KS3B	2, 0.66"	1.48"	0.25" quick connect	125VAC/6A	4.39	4.15	3.75	3.45
196649	3313E-M	2, 0.66"	1.48"	0.25" quick connect	125VAC/6A	4.95	4.55	4.28	3.39

Magnetic Reed Switches

- NO (normally open)
- 500mA @ 100VDC
- Contact form: SPST
- 1951342: 1A @ 220VDC

NEW MARKED IN PINK

*Web Code: UBB

Part No.	Cross Ref. No.	Dimensions (L"xD")	1	10	100	1000
171872	MKA14103	0.53 x 0.1	\$.85	\$.65	\$.49	\$.45
1951342	MKC-27103	2.24 x 0.1	1.79	1.69	1.59	1.49



Our enhanced website offers over a hundred thousand datasheets and photos to assist you in finding the products you need.



B3F Series Miniature Tactile Key Switch



- Switching capacity: 50mA 24VDC
- Dielectric strength: 500VAC
- Contact form: SPST-NO
- Contact res.: 100MΩ max.
- Insulation resistance: 100MΩ min.

Part No.	Type	1	10	50	100
162886	B3F-1000	\$.20	\$.18	\$.16	\$.14
1953575	B3F-3122	.29	.26	.24	.21

Switch Grab Bags

- 18235: 50 pcs. assorted – toggle, pushbutton, rocker and slide switches
- 135378: 1 lb. (approx. 135 pcs.) assorted – toggle, pushbutton, rocker and slide switches



Part No.	Cross Ref. No.	Wt. (lbs.)	1	10
18235	GB165	0.4	\$7.95	\$6.95
135378	GB165LB	1.0	19.95	17.95

Switch Assortment Kit

Includes:

- 20-drawer component cabinet (319600), 20 clear plastic drawers (319601), 20 clear dividers (319611), pg 151 and 30 adhesive labels for drawers to identify parts in kit
- 10 ea. miniature toggle switches (76523, 21936, 21910, 26332, 26315, 21979, 21952, 26367, 26358), pg 79
- 10 ea. slide switches (109171), below
- 10 ea. pushbutton switches (26623, 26649), pg 78
- 10 ea. DIP switches (38818, pg 81; 38843, web)
- 10 ea. tactile switches (153252), above left



SAVE \$47

Part No.	Description	Wt. (lbs.)	1	10
85059	150 pcs. switch kit	5.0	\$118.75	\$106.74

* JVP = Jameco ValuePro | PAN = Panasonic | PRO = Pronic Electronics | ♦ Manufacturer Varies

*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 159.

76 Series Thru-Hole DIP Switches

- SPST rocker
- Spring ball contact
- Dielectric strength: 500V_{RMS}
- Carrying current: 5A



PSB – Piano DIP Style (UP is off), SPST

Part No.	Product No.	Position	Length (in.)	1	10	100
696802	76PSB04ST	4	0.480	\$1.65	\$1.46	\$1.35

Toggle DIP Style, SPDT

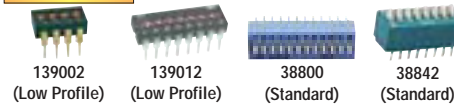
Part No.	Product No.	Position	Length (in.)	1	10	100
788328	76TSC04T	4	0.780	\$4.19	\$3.17	\$2.94

SB – Raised Rocker Style, SPST

Part No.	Product No.	Position	Length (in.)	1	10	100
696888	76SB04ST	4	0.480	\$1.05	\$1.00	\$0.95
696917	76SB08ST	8	0.880	1.45	1.23	1.15

Standard & Low Profile

*Web Code: UCY



- Switch contacts: SPST
- 50VDC @ 100mA
- Switches are numbered
- Molded construction
- Standard switches have raised lever
- Pre-tinned leads
- LP switches flush to casing (low profile)

Compatible Socket Chart, see page 66 for Sockets

Switch	Socket	Switch	Socket	Switch	Socket
109059	112193	139012	37373	206359	51571
1951385	51571	1951393	37373	38818	51571
38820	51571	1939562	37373	139002	51571
139003	51571	38798	38608	38826	37162
38827	37162	38800	39378	38834	37162
38842	37373	109057	112193	38797	38608

Part No.	Cross Ref. No.	*Mfr.	Pos.	1	10	100
109059	206-2	JVP	2	.75	.68	.54
1951385	206-2LP	♦	2	.59	.49	.39
38820	206-4	JVP	4	.65	.59	.468
139003	206-4LP	JVP	4	.79	.70	.55
139002	206-4LP	♦	4	.47	.441	.303
38818	206-4	♦	4	.48	.44	.40
38827	206-6	JVP	6	1.09	.98	.78
38834	206-7	♦	7	.95	.86	.77
38826	206-6	♦	6	.88	.80	.60
38842	206-8	♦	8	.89	.80	.72
139012	206-8LP	JVP	8	.89	.85	.76
1951393	206-8LP	♦	8	.79	.69	.59
1939562	4-435626-2	AMP	8	.75	.69	.55
38798	206-10	JVP	10	1.06	.98	.64
38800	206-12	JVP	12	1.05	.99	.93
109057	206-2	♦	2	.69	.62	.56
206359	206-3	♦	3	.49	.45	.35
38797	206-10	♦	10	.75	.65	.49

16-Button Numeric Keypad

- 8-position solder pad
- Contact rating: 24VDC @ 20mA
- Contact resistance: 200Ω max.
- Life test: 1,000,000 life cycles per key
- Size: 3.0"L x 2.8"W x 0.6"H



Part No.	Description	1	10	100
169245	Numeric keypad	\$9.95	\$8.95	\$7.95

♦ This product typically requires one to two additional days to ship. Please request 'ship partial' if you prefer the other products on your order ship immediately. A separate shipping charge would apply.

* AMP = AMP/Tyco | JVP = Jameco ValuePro | ♦ Manufacturer Varies

*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 159.

78 Series Thru-Hole DIP Switches

- Spring ball contact
- Carrying current: 4A
- Dielectric strength: 500V_{RMS}

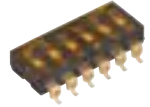


Raised Slide

Part No.	Product No.	Pos.	Description	Length (in.)	1	10	100
696950	78B04ST	4	SPST, straight	.480	\$1.85	\$1.71	\$1.62
696968	78B08ST	8	SPST, straight	.880	2.05	1.92	1.82

SMT DIP Switch

- Contact resistance: 100mΩ initial
- Insulation resistance: 1000MΩ (min.) across open switch & between adjacent closed switch
- Length: 0.246"
- Dielectric strength: 300VAC for 1 min.
- Non-switching rating: 100mA or 50VDC max.
- Bottom seal/top tape seal
- Gold plated beryllium copper contacts, gold flash coated terminals



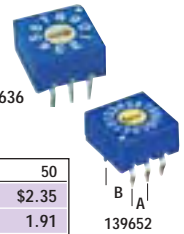
Part No.	Product No.	Positions	Description	1	10	100
1945022	SMT-6PDS	6	SPST	\$0.75	\$0.59	\$0.45

Rotary DIP Switches

*Web Code: UAX

- Gold plated contacts to ensure reliable, low resistance connection
- Fully sealed construction
- Terminals: PC pin leads
- Life: 10,000 cycles min.
- Max. switching load rating: 25mA @ 24VDC
- Op. force: 500g-cm max.
- Top adjustment
- Lead spacing: A = 0.1"; B = 0.3"
- Size: .39"W x .39"D x .20"H
- Material: 94V-0 grade, UL approved fire retardant plastic

Part No.	Cross Ref. No.	Position	Code Type	1	10	50
139636	ERD110RS(DRD10)	10	BCD	\$2.89	\$2.59	\$2.35
139652	ERD116RS	16	HEX	2.99	2.54	1.91



Rotary Switches

- Contact rating: 30VDC @ 0.3A
- Insulation resistance: 10MΩ min.
- Contact resistance: 30mΩ
- Lug size: 0.07"
- Mounting hole diameter: 3/8"
- Material: solid brass bushings, slotted aluminum shafts, plated frame, phenolic contact wafer (except for P/N 101566 – plastic casing)
- Panel mount
- Make before break
- Solder lugs
- Layers: 1
- Shaft size: 0.46"L x 0.25" Dia.; except P/N 101566 1.16"L x 0.25" Dia.



Includes: Washer and nut

Part No.	Cross Ref.	Poles	Position	1	10	50
101532	RS0261	1	12 ...	\$1.29	\$1.10	\$0.82
101574	RS022	2	6	1.35	1.15	.86
101566	RS023	3	4	1.95	1.59	1.25
101558	RS024	4	3	1.75	1.55	1.39

Replacement Switch for AT-Style Computer Case

- Alternate action double pole switch
- Contacts rated at 250VAC
- UL/CSA/VDE approved
- Size: 0.9"L x 0.7"W x 0.9"D



Part No.	Description	Current	1	10	100
127044	PC pushbutton	7.5A	\$0.99	\$0.75	\$0.49

12-Button Telephone Keypad

- 8-pin .100" header
- Contact rating: 12VDC @ 20mA
- Contact resistance: 200Ω max.
- Life test: 1,000,000 cycles per key
- Size: 2.8"L x 2.2"W x 0.6"H



Part No.	Description	1	10	100
190562	Numeric keypad	\$7.95	\$7.25	\$5.95

DIP Switches

- Standard profile
- 2A @ 5VDC or 25mA @ 25VDC

Part No.	Product No.	Pos.	Length	1	10	50
617908	35-964	4	0.48" ..	\$2.09	\$1.90	\$1.75
617916	35-968	8	0.88"	2.35	2.05	1.93

Thru-Hole Rotary DIP Switch

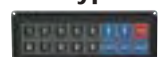
- Adjust: top
- Contact resis.: 50mΩ max.
- Contact rating: 0.4W @ 20VDC
- Insulation resis.: 1000mΩ @ 100VDC
- Fixed contact/terminal: copper alloy, gold flash over nickel
- Life expectancy: 10,000 rotations
- Moving contact: copper alloy, gold flash over nickel
- Rotor: PA6T UL94V-0, white
- Code type: hex
- Dielectric strength: 300VAC
- Position: 16
- Frame & case: PPS UL94V-0, black
- Size: 0.394"W x 0.394"D x 0.236"H



Part No.	Product No.	1	10	100
1809389	DRD16CE04	\$5.39	\$5.05	\$4.79

16-Button Indoor/Outdoor Keypads

- 9-pin .100" headers
- Compatible with MOS, TTL and DTL (10Ω max.)
- Contact rating: 24VDC @ 10mA resistive
- Fully sealed snap-dome contact
- Life test: 3,000,000 cycles per key
- Recommended connector: P/N 103191 header & P/N 100766 pin
- Size (housing): 4.7"W x 1.7"H x 0.4"T



Part No.	Description	1	10	100
196171	2x8 matrix keypad	\$16.95	\$14.95	\$12.95
152063	4x4 matrix keypad	14.95	13.49	11.95
103191	Header housing (10-pin)	.42	.39	.36
100766	Header pin	*	.16	.127

* Order in multiples of 10

Signal, Power, DIP & Solid State Relays

3 LEVELS OF SAVINGS
FRANCHISE SOURCED
GENERIC HOUSE BRANDS
FACTORY OVERRUN

Panasonic

Signal Relays

DS Series Low Signal Relays (High Sensitivity & Standard Coils)

*Web Code: NCV

Part No.	Product No.	Fig.	Contact Form	Coil Volt. (VDC)	Coil Resist. (Ω)	Coil Curr. (mA)	Contact Rating (A)		Pins	Dimensions (L" x W" x H")	Pricing		
							30VDC	125VAC			1	25	50
760616	DS1E-S-DC5V	1A	SPDT	5	125	—	2.0	2.0	5	0.59 x 0.39 x 0.37	\$6.15	\$5.93	\$5.27
760595	DS1E-S-DC12V	1A	SPDT	12	720	—	2.0	2.0	5	0.59 x 0.39 x 0.37	6.15	5.93	5.27
842734	DS1E-M-DC12V	1A	SPDT	12	360	—	2.0	2.0	5	0.59 x 0.39 x 0.37	4.39	3.92	3.18
842849	DS2E-M-DC5V	2B	DPDT	5	62.5	80	2.0	2.0	8	0.79 x 0.39 x 0.37	3.09	2.93	2.22
842953	DS2E-S-DC5V	2B	DPDT	5	125	40	2.0	2.0	8	0.79 x 0.39 x 0.37	3.85	3.66	3.47
842793	DS2E-M-DC12V	2B	DPDT	12	360	33.2	2.0	2.0	8	0.79 x 0.39 x 0.37	3.09	2.96	2.63
842902	DS2E-S-DC12V	2B	DPDT	12	720	16.6	2.0	2.0	8	0.79 x 0.39 x 0.37	3.85	3.64	2.75
842814	DS2E-M-DC24V	2B	DPDT	24	1440	16.6	2.0	2.0	8	0.79 x 0.39 x 0.37	3.09	2.93	2.61
843041	DS4E-S-DC12V	3C	4PDT	12	720	—	2.0	2.0	14	1.39 x 0.39 x 0.37	9.15	8.42	7.48

DS2Y Series Low Signal Relay

842996	DS2Y-S-DC5V	4D	DPDT	5	125	40	2.0	2.0	8	0.79 x 0.39 x 0.39	\$2.59	\$2.38	\$2.12
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TN Series Low Signal Relay

843420	TN2-24V	5E	DPDT	24	2880	8.3	1.0	0.5	8	0.55 x 0.22 x 0.39	\$4.85	\$4.41	\$3.92
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Panasonic

JW Series Power Relay

Part No.	Product No.	Fig.	Contact Form	Coil Volt. (VDC)	Coil Resist. (Ω)	Coil Curr. (mA)	Contact Rating (A)		Pins	Dimensions (L" x W" x H")	Pricing		
							30VDC	A@VAC			1	25	50
843235	JW2SN-DC12V	6F	DPDT	12	270	44	5.0	5@250	6	1.13 x 0.50 x 0.79	\$2.29	\$2.21	\$1.96

OMRON

G7L Series Power Relay

- 0.250" quick connect terminals
- SPST-NO
- Coil resistance: 303Ω
- Contact resistance: 50mΩ max.
- Insulation resistance: 1,000MΩ min. (@500VDC)
- Dielectric withstanding volt.: 5,000VAC for one minute between contacts and coil, 2000VAC between contacts of same polarity

Part No.	Description	Type	Rating	Contact Rating	1	10	50
454571	G7L-1A-TUB-CB-DC24	SPST	24VDC @ 79mA	20A-220VAC	\$7.95	\$6.95	\$4.95

Industrial Type Power Relay

- DPDT
- 12VDC coil
- Rating: 30A @ 240VAC
- 8 screw down contacts
- Size: 3.3"L x 2.5"W x 2.2"H

Part No.	Product No.	1	10	50
183791	GH-2C-12D	\$14.95	\$13.49	\$11.95

DIP Relays

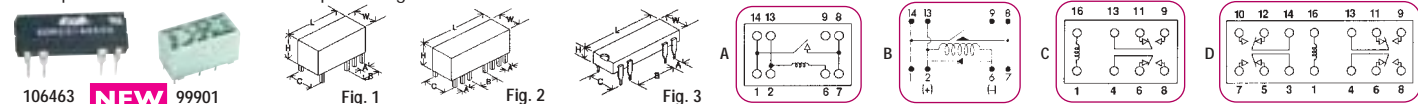
- Logic control levels
- Long life with reliable operation
- Excellent for PCB applications
- Compatible with IC sockets
- Compact design/construction
- Moisture resistant

Aromat

AGE

CLARE

*Web Code: QAN



Part No.	Product No.	Manufacturer	Fig.	Contact Form	Coil Voltage	Coil Ohms	Contact Voltage	Contact Current	Pins	Jameco Socket	Size L x W x H (in.)	Leads A x B x C (in.)	Pricing			
													1	10	50	100
106463	201A05	Excel Cell Elect.	3A	SPST-NO	5VDC	500	100VDC	0.5A	8	37162	.78 x .25 x .20	.10 x .40 x .30	\$2.59	\$2.17	\$1.82	\$1.50
138431	2D1A05	Excel Cell Elect.	3B	SPST-NO	5VDC	500	100VDC	0.5A	8	37162	.77 x .30 x .22	.10 x .40 x .30	2.49	2.24	1.80	1.35
173914	DS2YE-S-DC5V	Aromat	C	DPDT	5VDC	125	125VAC/100VDC	0.5A/1.25A	8	37401	.79 x .38 x .44	.18 x .28 x .29	2.35	2.19	2.09	1.99
139977	RSB5S	Shin Mei	1C	DPDT	5VDC	125	120VAC/30VDC	1A/2A	8	37373	.79 x .39 x .37	.20 x .40 x .30	2.49	2.25	1.95	1.75
99311	DS2Y-S-DC12V	Aromat (NAIS)	1C	DPDT	12VDC	720	110VAC/30VDC	0.3A/1A	8	37373	.79 x .40 x .43	.20 x .40 x .30	2.65	2.38	2.12	1.80
99901	LX200D00	Clare	1C	DPDT	12VDC	720	125VAC/100VDC	2A	8	37373	.79 x .40 x .30	.20 x .40 x .30	6.95	6.25	5.63	4.49
136549	DS4E-M-DC5V	Aromat	2D	4PDT	5VDC	62.5	125VAC/30VDC	0.6A/2A	14	112300	1.40 x .40 x .36	.20 x .30 x .30	5.95	5.35	4.79	4.25
176313	DS4E-M-DC12V	Aromat	2D	4PDT	12VDC	360	125VAC/30VDC	0.6A/2A	14	112300	1.40 x .40 x .36	.20 x .30 x .30	6.79	6.35	6.11	5.49

crydom

Solid State Relays



Part No.	Product No.	Fig.	Control Voltage	Type	Contact Style	Contact Voltage	Contact Current	Pins	Terminal Type	Agency Approval	Size L" x W" x H"	Pricing		
												1	10	50
467508	ASO241	1	4V - 10VDC	DC/AC	SPST-NO	24V - 280V	0.025A - 1A	4	Solder leads	UL/CSA/CE	0.70 x 0.20 x 0.50	\$10.09	\$9.59	\$9.14
468156	CX240D5R	2	3V - 15VDC	DC/AC	SPST-NO	12V - 280V	0.06A - 5A	4	Solder leads	UL/CSA/VDE/CE	1.70 x 1.00 x 0.30	11.59	11.41	11.18
468498	D2410	3	13V - 32VDC	DC/AC	SPST-NO	24V - 280V	10A	4	Screw terminal	UL/CSA/VDE/CE	1.80 x 0.90 x 2.30	32.35	31.71	31.09
468771	D2W203F	4	13V - 32VDC	DC/AC	—	24V - 280V	0.06A - 2A	4	Solder leads	UL/CSA/CE	1.70 x 0.47 x 1.18	10.45	9.94	9.47
468789	D2W203F-11	4	13V - 32VDC	DC/AC	—	24V - 280V	0.6A - 35A	4	Solder leads	UL/CSA/CE	1.70 x 0.47 x 1.18	9.45	9.28	9.10
480260	MCX240D5	5	13V - 15VDC	DC/AC	SPST-NO	12V - 280V	0.06A - 5A	4	Solder leads	UL/CE	1.70 x 0.40 x 1.00	11.59	11.40	11.18
480518	PF240D25	6	13V - 15VDC	DC/AC	—	12V - 280V	0.06A - 25A	4	Solder leads	UL/VDE/CE	1.70 x 1.35 x 0.90	22.35	21.28	20.28
467903	CMX60D10	7	13V - 10VDC	DC/DC	SPST-NO	0V - 60V	0A - 10A	4	Solder leads	UL	1.70 x 1.00 x 0.30	33.19	31.61	30.09
127790	D2W202F	8	13V - 32VDC	DC/AC	SPST	280VAC	2A	4	Solder lead	UL/CSA	1.70 x 0.40 x 1.30	8.65	8.56	8.03

*Triac output **Random turn-on †SCR output

♣ This product typically requires one to two additional days to ship. Please request "ship partial" if you prefer the other products on your order ship immediately. A separate shipping charge would apply.

***For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above**

♻ RoHS compliant product

⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 159.

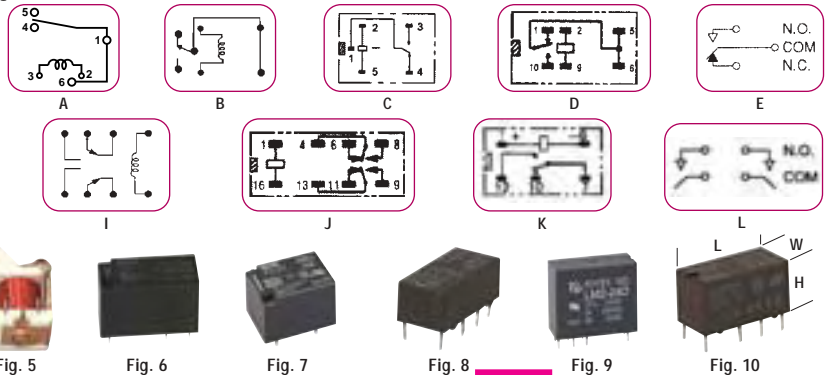
Small High-Current PC Mount Relays

*Web Code: SAV

While these small, low-cost relays are designed primarily for the appliance industry and the heating, air conditioning and ventilation markets, they are also well suited for automotive load management and other applications.

- Mechanical life expectancy: 10 million operations
- Electrical life expectancy: 100,000 operations at rated loads
- Dielectric strength: 1500V_{RMS} (between contact and coil)

144186: For use with universal relay card (P/N 128910, see web)



Part No.	Cross Ref. No.	Manufacturer	Potter & Brumfield Cross Reference	Fig.	Contact Form	Coil Voltage	Coil (Ohms)	Contact Voltage	Contact Current	Pins	L x W x H (in.)	Pricing			
												1	10	50	100
145753	L90A-12W	Rayex	T90S1D12-12	1A	SPST	12VDC	155	240VAC	30A	5	1.2 x 1.0 x .77	\$2.95	\$2.65	\$2.11	\$1.58
553289	T90S1D12-18	Potter & Brumfield	—	1A	SPST	18VDC	380	240VAC/28VDC	30A/20A	6	1.27 x 1.08 x .81	2.95	2.69	2.39	1.95
553318	T90S1D12-24	Potter & Brumfield	—	1A	SPST	24VDC	660	240VAC/28VDC	30A/20A	6	1.27 x 1.08 x .81	3.25	2.95	2.65	2.35
134949	L90-5W	Rayex	T90S5D12-5	1A	SPDT	5VDC	27	240VAC/28VDC	20A	6	1.3 x 1.1 x .80	2.39	2.25	2.13	1.55
174450	LU-5	Rayex	T81H5D215	2B	SPDT	5VDC	125	120VAC/24VDC	1A/2A	6	.60 x .40 x .45	1.99	1.79	1.65	1.59
187151	G5LE-1DC5	Omron	—	3C	SPDT	5VDC	63	120VAC/30VDC	10A/8A	5	.90 x .65 x .75	1.41	1.38	1.33	1.13
187240	G5V-1-DC5	Omron	—	4D	SPDT	5VDC	166.7	125VAC/24VDC	.5A/1A	6	.50 x .30 x .40	2.29	2.07	1.84	1.65
843155	JS1-5V	Panasonic	—	7F	SPDT	5VDC	69.4	250VAC/100VDC	10A/5A	5	.87 x .63 x .63	1.09	1.05	.95	.70
187418	G6E-134P-ST-US-DC5	Omron	—	4K	SPDT	5VDC	125	125VAC/30VDC	.4A/2A	5	.63 x .39 x .33	3.95	2.95	2.49	1.95
104927	733SDT12VDC	Song Chuan	T90N5D12-12	5A	SPDT	12VDC	155	240VAC/28VDC	20A/10A	6	1.2 x .90 x .63	1.99	1.79	1.69	1.59
664309	JW1FSN-DC12V	Nais (Aromat)	—	6E	SPDT	12VDC	270	250VAC/30VDC	10	5	1.13 x .51 x .79	1.95	1.75	1.49	1.25
172937	JS1-12V	Nais (Aromat)	T72M5D121-12	7F	SPDT	12VDC	400	125VAC/24VDC	10A/5A	5	.85 x .62 x .63	1.15	1.08	.96	.82
144186	JZC-22F	Velleman	VR15M121C	2G	SPDT	12VDC	337	120VAC/28VDC	15A	5	.80 x .64 x .80	3.79	3.39	3.05	2.75
174432	LEG-12F	Rayex	T7CS5D12	2G	SPDT	12VDC	400	120VAC/24VDC	15A	5	.76 x .62 x .60	1.89	1.60	1.49	1.35
187400	G6E-134P-ST-US-DC48	Omron	—	4K	SPDT	48VDC	5760	125VAC/30VDC	0.4A/2A	5	.63 x .39 x .33	5.95	5.25	4.75	4.25
998190	JW2ASN-DC5V	Panasonic	—	6L	DPDT	5VDC	47	250VAC/30VDC	5A/5A	6	1.13 x .50 x .79	2.25	1.95	1.75	1.55
187282	G6A-234PSTUSDC5	Omron	—	8H	DPDT	5VDC	125	125VAC/30VDC	.3A/1A	8	.80 x .33 x .40	4.15	3.90	3.71	3.54
174378	LM2-12D	Rayex	RKA5DZ12	9I	DPDT	12VDC	270	250VAC/30VDC	5A	8	1.2 x .48 x 1.0	2.49	2.25	1.95	1.75
187258	G5V-2-DC12	Omron	—	10J	DPDT	12VDC	288	125VAC/30VDC	.5A/2A	8	.81 x .40 x .45	2.85	2.50	2.20	2.00
454563	KLTIC12DC9	Hasco	—	2	SPDT	9VDC	225	120VAC/28VDC	12	5	.73 x .59 x .61	1.75	1.49	1.25	.99
215909	RKA-7DZ-12	Potter & Brumfield	—	4	DPST-NO	12VDC	270	250VAC/24VDC	5A/5A	6	1.16 x .57 x 1.05	2.29	1.95	1.69	1.39

*Manufacturer may vary

NEW
MARKED IN PINK

*Web Code: ECF

Surface Mount Solid State Relays

843649



1630987



Part No.	Cross Ref. No.	Manufacturer	Contact Form	Coil Voltage	Coil (Ohms)	Contact Voltage	Contact Current	Pins	L x W x H (in.)	Pricing			
										1	10	50	100
1630987	LH1500AAB	Infineon	SPST	—	20	350VDC	0.15A	6	.34 x .256 x .15	\$2.95	\$2.65	\$2.39	\$2.19
843649	TX25SA-5V	Panasonic	DPDT	5VDC	178	30VDC	2.0A	8	.59 x .29 x .22	2.79	2.69	2.29	1.99



*Web Code: WDX

OptoMOS® Solid State Relays



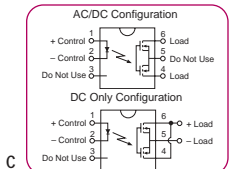
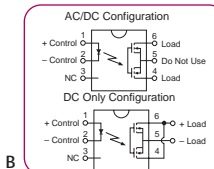
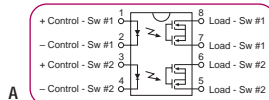
Fig. 1



Fig. 2



Fig. 3



Part No.	Product No.	Package	Description	Fig.	Load Voltage (V)	Current Handling (mA)	On-Resistance (ohms)	Isolation Voltage (Vrms)	Input Control Current (mA)	Off-State Leakage (µA)	Switching Speed (on/off) (ms)	Pricing		
												1	25	50
1582903	LAA110	DIP-8	Dual single pole, 1-Form-A	1A	350	120	35	3750	5	1	3/3	\$4.29	\$3.94	\$3.62
1582911	LAA110P	Flatpack-8	Dual single pole, 1-Form-A	2A	350	120	35	3750	5	1	3/3	4.29	3.82	3.47
1582997	LCA110	DIP-6	Single pole, 1-Form-A	1B	350	120	35	3750	2	1	3/3	1.89	1.65	1.57
1583041	LCA710	DIP-6	Single pole, 1-Form-A	1C	60	1000	0.5	3750	10	1	2.5/0.25	5.19	4.56	4.16
1583148	PAA140A	SOIC-8	Single pole, 2-Form-A	3A	400	250	8	3750	50	1	3/1	8.65	7.30	4.55

*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Details on page 159.

Solid State, General Purpose Relays & Circuit Breakers

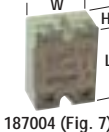
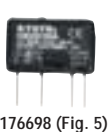
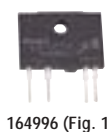
3 LEVELS OF SAVINGS
FRANCHISE SOURCES
GENERIC HOUSE BRANDS
FACTORY OVERRUN

DC/AC and DC/DC Solid State Relays

- Screw terminal with hardware
- Photo isolation
- Metal mounting base
- Zero crossing

*Web Code: DBA

QUANTITY SAVE



Part No.	Product No.	Mfr.	Control Voltage	Type	Contact Style	Contact Voltage	Contact Current	Pins	Fig.	Terminal Type	Agency Approval	Size L" x W" x H"	Pricing			
													1	10	50	100
Solid State Relays DC/AC Type																
164988	S101S02	Sharp	1.2VDC@20mA	DC/AC	SPST	125VAC	1.5A	4	1	Solder Lead	UL/CSA	0.9 x .16 x .63	\$4.29	\$3.95	\$2.89	\$2.15
164996	S202TA1	Sharp	1.2VDC@20mA	DC/AC	SPST	200VAC	2.0A	4	1	Solder Lead	UL/CSA	0.9 x .16 x .63	6.95	5.54	4.85	3.64
153059	KSD203AC2	COSMO	4-32VDC	DC/AC	SPST	240VAC	3A	4	2	Solder Lead	—	1.4 x 0.3 x 0.9	10.09	9.06	8.05	7.34
162342	ESR51024-010	Excel	3-32VDC	DC/AC	SPST	240VAC	10A	4	3	Screw Terminal	UL	1.7 x 1.1 x 2.3	19.15	17.27	15.55	13.99
186992	G3NA-210B-DC5-24	Omron	5-24VDC	DC/AC	SPST	240VAC	10A	4	7	Screw Terminal	UL/CSA	1.7 x 1.1 x 2.3	14.29	13.55	12.89	12.25
187004	G3NA-220B-DC5-24	Omron	5-24VDC	DC/AC	SPST	240VAC	20A	4	7	Screw Terminal	UL/CSA	1.7 x 1.1 x 2.3	20.19	18.43	17.60	16.16
162369	ESR51024-025	Excel	3-32VDC	DC/AC	SPST	240VAC	25A	4	3	Screw Terminal	UL	1.7 x 1.1 x 2.3	27.95	24.95	21.95	19.95
162406	ESR51024-040	Excel	3-32VDC	DC/AC	SPST	240VAC	40A	4	3	Screw Terminal	UL	1.7 x 1.1 x 2.3	27.59	24.85	22.45	20.19
192815	KSD240AC8	COSMO	4-32VDC	DC/AC	SPST	250VAC	40A	4	4	Screw Terminal	—	1.8 x 0.6 x 2.3	24.09	21.64	19.48	17.54
175214	KB20C02A	Kyoto	3-32VDC	DC/AC	SPST	280VAC	2A	4	5	Solder Lead	—	1.4 x 0.3 x 1.5	6.55	5.95	5.69	5.29
176698	KB20C06A	Kyoto	3-32VDC	DC/AC	SPST	280VAC	6A	4	5	Solder Lead	—	1.4 x 0.3 x 0.9	10.89	9.80	8.71	7.84
176719	KD20C40AX	Kyoto	3-32VDC	DC/AC	SPST	280VAC	40A	4	6	Screw Terminal	—	1.7 x 0.9 x 2.3	19.99	17.99	16.19	14.59
176736	KD20C75AX	Kyoto	3-32VDC	DC/AC	SPST	280VAC	75A	4	6	Screw Terminal	—	1.7 x 0.9 x 2.3	39.95	35.99	32.39	29.15
Solid State Relays DC/DC Type																
172591	KF0602D	Kyoto	3-32VDC	DC/DC	SPST	60VDC	2A	4	5	Solder Lead	—	1.4 x 0.3 x 0.9	\$11.95	\$10.74	\$9.54	\$8.34
175222	KF0604D	Kyoto	3-32VDC	DC/DC	SPST	60VDC	4A	4	5	Solder Lead	—	1.5 x 0.3 x 0.9	13.95	12.99	12.69	12.32
176648	KG1005D	Kyoto	3-32VDC	DC/DC	SPST	120VDC	5A	4	6	Screw Terminal	—	2.3 x 1.7 x 0.9	27.95	25.29	22.95	19.95
176655	KG1010D	Kyoto	3-32VDC	DC/DC	SPST	120VDC	10A	4	6	Screw Terminal	—	2.3 x 1.7 x 0.9	29.99	26.99	24.29	21.89








NEW MARKED IN PINK

Potter & Brumfield General Purpose Blade and Octal Relays

- Industry standard termination for quick installation
- UL/CSA approved
- Wide range of coil voltages for industrial and commercial applications
- Contact arrangements from SPDT to 4PDT

*Web Code: ACF



Part No.	Potter & Brumfield Product No.	Tyco Product No.	Fig.	Contact Form	Contact Rating	Coil Voltage	Coil Resis. (Ω)	Coil Curr. (mA)	Mating Socket*		Pricing			
									Jameco	DIN Rail	1	10	25	50
282255	K10P-11D15-12 	5-1393144-5	1	DPDT	15A @ 30VDC; 15A @ 120VAC	12VDC	160	75	282191	27E895	\$7.25	\$6.70	\$6.15	\$5.80
282263	K10P-11D15-24 	5-1393144-7	1	DPDT	15A @ 30VDC; 15A @ 120VAC	24VDC	650	37	282191	27E895	7.49	6.78	6.22	5.91
282247	K10P-11A15-120 	4-1393144-0	1	DPDT	15A @ 30VDC; 15A @ 120VAC	120VAC	3,900	11	282191	27E895	7.49	6.77	6.21	5.73
498671	KUEP-11D15-12	8-1393113-6	3	DPDT	10A @ 240VAC; 3A @ 150VDC	12VDC	80	150	282124	27E121	11.95	10.95	9.95	8.95
282343	KRPA-11AG-120 	2-1393104-5	2	DPDT 	10A @ 240VAC	120VAC	2,250	17.5	282132	27E122	12.75	11.59	10.63	9.70

*For compatible sockets see page 84

† Silver-cadmium oxide, no lamp



Blade and Octal Relay Sockets

NEW MARKED IN PINK

Relay Socket for K10 Series (8-Blade Square)

*Web Code: TEM

Part No.	Product No.	Contact Arr.	Pins	Type	1	10	25	50
282191	27E895	DPDT	8	DIN rail	\$4.79	\$4.53	\$4.37	\$4.16

Relay Socket for KUEP Series (11-Blade Square)

282124	27E121	3PDT	11	DIN rail	\$6.39	\$5.89	\$5.39	\$5.19
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Relay Socket for KHAU Series (14-Blade Square)

282183	27E894	4PDT	14	DIN rail	\$7.29	\$6.89	\$6.65	\$6.35
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Relay Socket for KRPA Series (Octal)

282132	27E122	DPDT	8	Standard	\$4.19	\$3.96	\$3.82	\$3.52
--------	--------	------	---	----------	--------	--------	--------	--------



282191



282124



282183



282132



Circuit Breakers

- Quick connect style terminals
- Actuator: black plastic button
- Mounting hole: 0.450"
- Included hardware: nut, knurled nut, ID plate



Current Rating

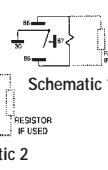
Part No.	Prod. No.	(A @ VAC)	1	10	50	100
621376	35-2105	5 @ 125/250	\$4.75	\$3.69	\$3.49	\$3.29
621413	35-2110	10 @ 125/250	4.75	3.69	3.49	3.29
621430	35-2115	15 @ 125/250	3.29	2.96	2.71	2.38
621448	35-2120	20 @ 125/250	4.75	3.69	3.49	3.29

*Web Code: LCF

Potter & Brumfield Equivalent Plastic Enclosed Construction Relays

VF4 Type

- Dielectric strength: 500VDC (between contact & coil)
- Operating temperature: -35°C to +85°C
- Contact current: 40A
- Coil voltage: 12VDC
- Terminal type: quick connect
- Normally open (NO), normally closed (NC)
- Dimensions: 1.1"L x 1.1"W x 1.0"H



171460 (Fig. 1)



171442 (Fig. 2)



171433 (Fig. 3)

Part No.	Cross Ref. No.	P&B Cross Ref. No.	Fig.	Contact Form	Coil Ohms	Contact Schematic	Coil Voltage	Pins	Pricing			
									1	10	50	100
171460	LD1A-12F	VF4-81F11S01	1	SPST-NO	78	1	14VDC	4	\$3.19	\$2.91	\$2.63	\$2.17
171442	961A-1A12D	VF4-11F11	2	SPST-NO	90	1	14VDC	4	2.89	2.59	2.49	2.45
148583	LD12F	VF4-85F11	3	SPDT	78	2	12VDC	5	3.09	2.89	2.59	2.39
171433	961A-1C-12DM	VF4-81F11	3	SPDT	90	2	12VDC	5	3.19	2.99	2.69	2.35

*Comes with a removable clip

Relay Socket with Coil Diode

VF4 Type

- 7.5" wire
- Diode coil suppression
- Contact voltage: 12V
- Contact current: 20A
- 12 AWG: 2 black & 1 blue wire; 18 AWG: 1 black & 1 red wire
- Use with P/N 148583, left



Part No.	Cross Ref. No.	1	10	50	100
170624	RSD03	\$2.35	\$2.15	\$1.89	\$1.55

*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product

This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Details on page 159.

JAMECO ValuePro General Purpose Relays and Sockets

LB2 Series (12 Amp)

- Contact rating: 240VAC/30VDC @ 12A
- DPDT • 8-pin • Use relay socket 175531
- Mechanical life: 10,000,000 operations
- Electrical life: 100,000 operations min. at rated load



*Web Code: CBC

Part No.	Mfr. P/N	P & B Cross Ref.	Coil Voltage	1	10	50	100
172719	LB2-12DS	K10-11D15-12	12VDC	\$5.95	\$4.69	\$4.19	\$3.49
175565	LB2-24DS	K10-11D15-24	24VDC	6.25	4.75	4.25	3.55
175572	LB2-110AS	K10-11A15-120	110VAC	6.49	4.95	4.29	3.59

LB4H Series (5 Amp)

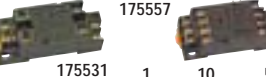
- Contact rating: 240VAC/30VDC @ 5A
- 4PDT • 14-pin • Use relay socket 175557
- Insulation resistance: 1,500MΩ @ 500VDC
- Mechanical life: 10,000,000 operations
- Electrical life: 100,000 operations min. at rated load



Part No.	Mfr. P/N	P & B Cross Ref.	Coil Voltage	1	10	25	50
291507	LB4H-12DS	KHAU-17D12-12	12VDC	\$4.95	\$4.49	\$3.95	\$3.75
175602	LB4H-24DS	KHAU-17D12-24	24VDC	5.19	4.69	4.19	3.14
175611	LB4H-110AS	KHAU-17A12-120	110VAC	4.69	4.58	4.47	4.24

Relay Sockets (Din Rail)

- DIN rail snap socket for LB2 & LB4H relays



Part No.	Mfr. P/N	P & B Cross Ref.	Pins	1	10	50
175531	PTF-08A-A	27E895	8	\$3.95	\$3.69	\$3.35
175557	PYF-14A-A	27E894	14	3.39	3.09	2.75

CHERRY Commercial Grade Gear Tooth Speed Sensor

Hall-Effect w/ Adjustable Aluminum Housing

- Operating voltage range: 4.5-24VDC
- Reverse battery protection from 24VDC
- Supply current: 6mA max.
- Barrel length: 1.0"
- Output voltage: 400mV max.
- Thread: 15/32" - 32
- Output current: 25mA max.
- Wire: 20AWG x 1m • Output: sink
- Operating temp. range: -40°C to 125°C



Part No.	Product No.	1	10	25
512401	GS100701	\$24.95	\$21.11	\$18.47

CHERRY Reed-Based Magnetic Proximity Sensor

- Hermetically sealed contacts
- Zero power consumption
- Suitable for AC/DC circuits
- Contact resistance: 0.2Ω max.
- Breakdown voltage: 200VDC min.
- Operating temp. range: -40°C to 105°C
- Max. switching voltage: 175VDC @ 0.5A
- Typical op. time: 0.6ms • SPST NO



Part No.	Product No.	Description	1	10	25
513359	MP201901	10-Watt	\$2.85	\$2.66	\$2.53



General Purpose Relay and Socket

Octal Pin Terminals (10 Amp)

- Contact rating: 120/240VAC, 28VDC @ 10A
- DPDT • 8-pin octal style plug
- Size: 1.4"L x 1.4"W x 2.7"H
- Ambient oper. temp.: -10°C to +50°C

*Web Code: NAU



139766

141145

BTA1 Series Relays

Part No.	Product No.	NTE Cross Ref.	Coil Voltage	1	10	50	100
139766	BTA1-2C-12VDC	R02-11D10-12	12VDC	\$8.95	\$7.95	\$6.95	\$5.95
139740	BTA1-2C-120VAC	R02-11A10-120	120VAC	8.95	7.95	6.95	5.95

Socket for BTA1 Series (250 VAC, 20 Amps)

Part No.	Product No.	Pins	Dimensions	1	10	50	100
141145	PF-083A	8	2.0"L x 1.6"W x 0.8"H	\$4.29	\$4.14	\$3.64	\$3.21

Flex Sensor

- Max. resistance: 30kΩ to 40kΩ, proportional to the degree of flexing or bending
- Applications: virtual reality data gloves, robotic, bio-metric, physics and engineering



Part No.	Description	Nominal Resistance	1	10
150551	Flex sensor	10Ω	\$13.35	\$12.19

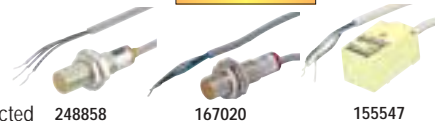
*Input/Output Module Relays Available Online — Enter Web Code TBW

*Bistable, Impulse Relays Available Online — Enter Web Code QDR

HIGHLY Inductive Proximity Switch Sensors

Cylindrical and Square Styles

- Operating voltage range: 10-30VDC
- Nominal operating voltage: 12VDC
- Normally open output
- Switching frequency: 1.5kHz
- Current consumption: 10mA max.
- Sensing target: inductive type – magnetic metal
- Fast response
- 6' long cable
- Pre-tinned pigtail
- Short circuit protected
- LED status indicator
- Sensing distance: ±10% (tin)



*Web Code: MAX

Part No.	Product No.	Output Circuit	Effec. Dist. (Iron)	Standard Target (Iron) (mm)	Size (L" x Dia. ")	Mounting Hole (in.)	Pricing		
							1	10	25
155547	S18-05N-1	NPN	0-4.0mm	18 x 18 x 1	1.4"Lx1.4"Wx0.7"H	0.112	\$11.95	\$10.95	\$9.95
167020	TS12-02N-1	NPN	0-1.6mm	12 x 12 x 1	1.8" x 0.46"	0.46	23.95	19.95	16.95
248858	TS12-02P-1	PNP	0-1.6mm	12 x 12 x 1	1.8" x 0.46"	0.46	24.95	22.69	20.95
421201	TS12-05N-1	NPN	0-4.0mm	12 x 12 x 1	2.5" x 0.80"	0.66	31.45	26.74	20.05

QUANTITY SAVE

CHERRY Reed-Based Magnetic Proximity Sensor

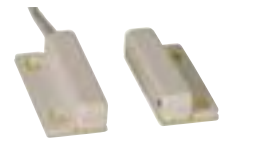
- Hermetically sealed contacts
- Zero power consumption
- Suitable for AC/DC circuits
- Contact resistance: 0.2Ω max.
- Breakdown voltage: 200VDC min.
- Operating temp. range: -40°C to 105°C
- Max. switching voltage: 175VDC @ 0.5A
- Typical op. time: 0.6ms • SPST NO



Part No.	Product No.	Description	1	10	25
513359	MP201901	10-Watt	\$2.85	\$2.66	\$2.53

Magnetic Proximity Switch Sensor

- Contact rating: 3W max. @ 30VDC or 0.3A max. @ 30VAC
- Contact form: SPST NO
- Contact resistance: 100mΩ max. initial
- Operating temp.: -40°C to 100°C
- Dielectric strength: 200VDC min.
- Mechanical & electrical life: 10 million operations
- Housing/spacer/cover: ABS plastic (UL94V-0), white
- Reed switch: rhodium coated, hermetically sealed, nitrogen filled glass capsule
- Wire leads: UL1060 22AWG stranded wire, stripped, 12"L white
- Adhesive mounting: (MPS45WGW only) – foam backed, pressure sensitive



Part No.	Product No.	Description	1	10	100
588131	MPS45WGW	Subminiature surface mount, side exit leads, 1" make gap	\$6.95	\$6.45	\$5.95

Answering Your Questions

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Give them a call at 1-800-831-4242.

*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 159.



Magnetic Proximity Sensor

- Omnipolar, magnetically activated switch
- Can be approached by any magnet from any angle with either pole
- Hermetically sealed
- Contact resistance: 0.2Ω max.
- Zero power consumption
- Breakdown voltage: 200VDC min.
- Operating temp. range: -40°C to 105°C

Cylindrical Plastic Housing

- Resistant to dirt and moisture

Part No.	Product No.	Contact Form	Power (W)	Switching volt. Max. (VDC)	Switching Curr. Max. (A)	Op. Time Typical (ms)	Pricing		
							1	10	25
513308	MP201701	SPST NO	10	175	0.5	0.5	\$3.15	\$2.75	\$2.29

★ Web Code: CCC



HIH-4000 Series Humidity Sensor

- Linear volt. output vs %RH
- Op. temp.: -40°C to 85°C
- Accuracy (best fit straight line): ±3.5% RH
- Current supply: 500μA max.
- Direct input to a controller or other device is made possible by this sensor's linear voltage output
- 3-pin SIP
- High accuracy
- Volt. supply: 4VDC to 5.8VDC
- Designed specifically for high volume OEM

Part No.	Product No.	Description	1	10	100
1860248	HIH-4000-003	0.10" lead pitch SIP w/ calibration & data printout	\$28.55	\$22.82	\$21.68

★ Web Code: WEG

Ultrasonic Sensor Sets

- Use for motion or distance sensing
- Frequency: 40kHz ±1.0kHz
- Aluminum case

136654: Transmit/Receive Set

- Capacitance: 2000pF ±30%
- Transmitter: bandwidth 4.0kHz @ 112dB, sound pressure level 119dB @ 40±1.0kHz
- Receiver: bandwidth 3.5kHz @ -71dB, min. sensitivity 65dB @ 40±1.0kHz (R=3.9kΩ)

139492: Transmit/Receive Set

- Capacitance: 2000pF ±20%
- Transmitter: bandwidth 5.0kHz @ 100dB, sound pressure level 112dB @ 40 ±1.0kHz
- Receiver: bandwidth 5.0kHz @ -75dB, min. sensitivity 67dB @ 40 ±1.0kHz (R=3.9kΩ)

Part No.	Cross Ref.	Case Size	1	10	50
136654	40TR16F	0.47"H x 0.62"Dia.	\$7.95	\$6.75	\$5.07
139492	40TR12B	0.30"H x 0.43" Dia.	7.95	7.35	6.95

★ Web Code: CAU

PCB Mountable Speaker 30mm (8Ω)

- Ideal for PC board mounting
- Impedance: 8Ω
- Frequency range: 700 – 5000Hz
- Pin spacing: 15mm
- Mylar diaphragm
- Nominal input: 0.15W; max. input: 0.2W
- Output SPL: 82 dB
- Dimensions: 1.2"Dia. x 0.5"D

Part No.	Cross Ref. No.	Description	1	10	100	1000
135722	36MS30008	Solder leads (DB-E368)	\$1.95	\$1.75	\$1.49	\$1.19

QUANTITY SAVE

Flat Element, Square Piezoelectric Speakers

- Excellent for alarms or other voice uses
- Stainless steel diaphragm

Part No.	Mfr. P/N	Dimensions (Dia. " x D")	Input		Impedance (Ω)	Output SPL (dB)	Frequency Range (Hz)	Element Size (Dia. " x H")	Pricing		
			Nom (W)	Max (W)					1	10	100
34025	GSP02-R	1.2 x 0.2	0.4	0.8	8	70	1300 – 8000	1.2 x 0.1	\$2.05	\$1.84	\$1.38
76030	AZ40S	1.6 x 0.2	0.4	0.8	8	70	600 – 6000	1.6 x 0.1	1.99	1.79	1.55
673766	AZ50S	1.9 x 0.2	0.4	0.8	8	70	500 – 6000	1.9 x 0.1	1.95	1.75	1.25

★ Web Code: XAE

Alnico Round, Square and Rectangular Speakers

- For computer case use
- Paper diaphragm
- Wide frequency response
- Pre-tinned solder lugs
- Large magnet

Part No.	Mfr. P/N	Fig.	Dimensions (Dia. " x D")	Input		Impedance (Ω)	Output SPL (dB)	Frequency Range (Hz)	Magnet Size (Dia. " x H")	Pricing		
				Nom (W)	Max (W)					1	10	100
88411	A0200	1	2.0 x 0.8	0.2	0.4	8	87	430 – 4500	0.5 x 0.4	\$1.85	\$1.58	\$1.19
684730	A0202C	1	2.6 x 0.9	0.5	1.0	8	88	350 – 5000	0.9 x 0.5	1.89	1.69	1.49
135765	BA2425	1	2.2 x 0.8	0.25	0.5	8	87	400 – 4000	0.5 x 0.4	1.89	1.69	1.27
111587	B0102	2	1.7 x 0.6	0.1	0.3	8	83	500 – 5500	0.5 x 0.4	2.29	1.86	1.53
135812	A1527C02	3	1.6 x 2.8 x 1.2	2.0	5.0	8	82	450 – 20000	0.5 x 0.5	4.86	4.12	3.72
1950972	I-826-219*	4	8.2 x 2.2 x 2.0	1.0	13.0	8	95	30 – 20000	1.5 x 2.8	9.95	7.95	5.95

*Sony LCD plasma replacement speaker (actual size: 6"H x 2.15"W x 1.94"D)

★ Web Code: EAL

Micro Round Speakers

Part No.	Mfr. P/N	Dimensions (Dia. " x D")	Input		Impedance (Ω)	Output SPL (dB)	Frequency Range (Hz)	Magnet Size (Dia. " x H")	Pricing		
			Nom (W)	Max (W)					1	10	100
307871	GC0401M	1.57 x 0.67	0.2	0.3	8	80	600 – 8000	0.71 x 0.43	\$1.25	\$0.99	\$0.75
355522	GF0271M	1.06 x 0.30	0.1	0.2	32	82	500 – 20000	0.49 x 0.15	1.25	.99	.75
355514	GC0201M	1.70 x 0.38	0.1	0.2	50	78	500 – 20000	0.26 x 0.06	1.39	1.09	.79

★ Web Code: TBX

Pressure Sensor

★ Web Code: CBF

196103:

- Measurable pressure range: -1.1 to 2.5 PSI
- Operating voltage: 5V @ <10mA
- Maximum excitation voltage: 8V
- 1/8" diameter tubing is applicable
- Pressure media: non-corrosive gas
- Pre-calibration of offset volt. & span
- Maximum load pressure: twice rated pressure
- On-chip amplification and temp. compensations
- Volt-level output
- Size: .55"L x .47"W x .20"H



218827:

- Typical full scale span @ 35mV: 0-10kPa (0-1.45 PSI)
- 1/8" diameter tubing applicable
- Operating volt. (typical): 3VDC @ 6mA
- Size: 0.7"Dia. x 0.78"Thick (with nozzle)
- Max. pressure (P_{MAX}): 75kPa (10.875 PSI)
- Applications: air movement control, level indicators, leak detection, robotics and industrial controls



Part No.	Product No.	Mfr.	1	10	100
196103	XFPN-025-KPGNRW1	Fujikura	\$14.95	\$13.49	\$11.95
218827	MPX10GS	Motorola	8.95	7.49	5.95



Optical Sensor

The APDS-9002 is a low-cost analog output ambient light photo sensor in a miniature chip LED lead-free surface mount package. It consists of a spectrally suited phototransistor, which peaks in human luminosity curve.

- Supply voltage: 2.4V to 5.5V
- Oper. temp.: -40°C to 85°C
- Dark current: 50mA
- Fall time: 0.8 ms
- Rise time: 0.95 ms
- Light current ratio: 1.2

Part No.	Product No.	1	10	100
1548511	APDS-9002-021	\$0.58	\$0.546	\$0.517

More Product Information

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34025 Side

34025 Back

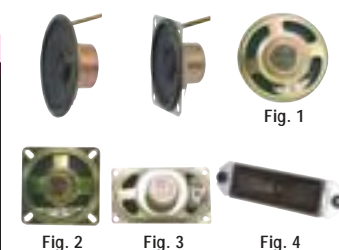


Fig. 1

Fig. 2

Fig. 3

Fig. 4



355514/307871

355522

★ For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 159.

Round Ferrite Speakers

- Pre-tinned speaker lugs
- Large magnet
- Anodized metal surfaces
- Paper diaphragm
- Braided copper voice coil leads

Part No.	Cross Ref. No.	*Mfr.	Dimensions (Dia. " x D")	Input		Impedance (Ω)	Output SPL (dB)	Frequency Range (Hz)	Magnet Size (Dia. " x H")	Pricing		
				Nom (W)	Max (W)					1	10	100
135589	FE200	ADT	2.0 x 0.7	0.2	0.4	8	83	420 – 5000	1.3 x 0.4	\$2.45	\$2.02	\$1.82
320135	C35128A†	ADT	2.0 x 0.7	0.2	0.4	8	83	420 – 5000	1.3 x 0.4	1.49	1.25	1.09
10840	FE201	JVP	2.2 x 0.7	0.2	0.4	8	88	400 – 4500	1.3 x 0.4	1.95	1.69	1.55

† With 2" lead wires

★ Web Code: TAT

For speaker wire, see page 45



Square Ferrite Speakers

- Pre-tinned speaker lugs
- Large magnet
- Anodized metal surfaces
- Braided copper voice coil leads
- Paper diaphragm

Part No.	Cross Ref. No.	*Mfr.	Dimensions (Dia. " x D")	Input		Impedance (Ω)	Output SPL (dB)	Frequency Range (Hz)	Magnet Size (Dia. " x H")	Pricing		
				Nom (W)	Max (W)					1	10	100
135694	FEB200	♦	2.0 x 0.7	0.2	0.3	8	82	500 – 6000	1.3 x 0.5	\$1.99	\$1.80	\$1.60
249463	66SF25	ADT	2.6 x 0.8	0.3	0.5	25	10	320 – 4000	1.3 x 0.5	2.49	2.09	1.59
31959	FEB216	♦	2.6 x 0.8	0.2	0.4	16	85	330 – 8000	1.3 x 0.5	2.69	2.39	2.15
99996	FEB204	♦	2.6 x 0.9	3.0	4.0	4	95	300 – 14000	1.8 x 0.5	2.69	2.39	2.05

★ Web Code: EDT



Sonic Transducers and Buzzers

Magnetic Transducers • Applied voltage: 1/2 duty, square wave

Part No.	Cross Ref. No.	*Mfr.	Fig.	Oper. Volt. (Vp-p/mA)	Volt. Range (Vp-p)	Freq. (Hz)	Sound (dB)	Dimensions (H x Dia.)	Pricing			
									1	10	100	1000
207917	DB105GFPN	JVP	1	1.5/30	1 – 2	2048	75	.22" x .47"	\$1.59	\$1.43	\$1.14	\$0.86
138722	DB111A-PN	JVP	2	1.5/10	1 – 2	2048	80	.32" x .46"	1.55	1.39	1.12	.84
138740	DBX05-PN	JVP	2	5/40	3 – 8	2400	85	.35" x .46"	1.49	1.34	1.19	1.07
106500	SBT-1205	JVP	2	5/40	3 – 8	2400	85	.40" x .48"	1.49	1.35	1.09	.89
1537408	QMB-01	ADT	3	1.5/15	—	2048	80	.53" x .63"	1.25	.99	.79	.65
673926	SEP2202A	ADT	13	3-20/11	3-20	3000	85	.64" x .96"	1.49	1.25	.99	.79
673871	PRT-1205	ADT	2	5/40	3-8	2400	90	.35" x .46"	.79	.65	.49	.39

Magnetic Buzzer

76065	TDB05-PN	JVP	4	5/30	4 – 7	2300	85	.35" x .46"	\$3.35	\$2.99	\$2.79	\$2.69
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Piezo Buzzers

336276	PT-1250W	JVP	5	3/1.5	2 – 5	4000	85	13mm x 30mm	\$1.89	\$1.45	\$1.36	\$1.29
335513	MAS800S	JVP	7	12/50	9 – 12	2800	103	15.2mm x 26mm	4.95	4.45	3.95	3.55
123538	11D3240	JVP	8*	24/20	4 – 28	2900	80	1.4" x 1.7"	4.19	3.79	3.65	3.49
336989	SC616N	JVP	9C	6-16/6-22	6 – 16	2900	95	1.28" x 1.69"	9.95	8.95	7.95	6.45
335557	MSR320	JVP	10	3-20/3-16	3 – 20	3400	80	.39"H x .91"	2.75	2.55	2.29	1.95
335951	PK-21A31P	JVP	14	12/18	3 – 24	3000	85	13.5mm x 24mm	1.95	1.75	1.55	1.35
76021	7S3240-LA	JVP	11	24/20	1.5 – 28	3200	95	1.0" x 1.1"	6.55	6.15	5.95	4.49
336049	PK-27N36W	JVP	12	12/15	3 – 28	3500	90	10mm x 30mm	2.95	2.45	2.25	1.95
335695	PF-20A35EW	JVP	11F	12/10	3 – 28	3500	95	25mm x 28mm	4.29	3.66	3.20	2.40
336314	PT-2038FW	JVP	13	12/8	3 – 28	3800	85	4.5mm x 24mm	1.38	1.24	1.00	.75
138712	32S4120-PN	JVP	4	12/7	3 – 16	4000	80	.30" x .54"	3.45	2.95	2.70	2.50
335855	PK-12N40P	JVP	6	12/10	3 – 15	4100	83	8mm x 14mm	4.45	3.95	3.55	3.25
196357	AI-175	ADT	4	12/5.8	3 – 16	4000	86	.30" x .54"	2.95	2.49	1.95	1.25

* Dual tone C = Continuous tone F = Fast pulse Blue Part No. = Limited Quantity Available

Piezo Siren

Part No.	Cross Ref. No.	*Mfr.	Fig.	Oper. Volt. (Vp-p/mA)	Volt. Range (Vp-p)	Freq. (Hz)	Sound (dB)	Dimensions (H" x Dia.)	Pricing			
									1	10	100	1000
336225	PS-562	JVP	12	12/40	5 – 15	2500/3500	100	16mm x 42mm	\$6.79	\$6.17	\$4.91	\$3.66
207888	18R3120	JVP	17	12/120	9 – 15	1500/3100	105	3.4L x 2.2W x 1.3H	7.19	6.95	6.59	6.35

Mechanical/Electromechanical Buzzers

Part No.	Cross Ref. No.	*Mfr.	Fig.	Oper. Volt. (Vp-p/mA)	Volt. Range (Vp-p)	Freq. (Hz)	Sound (dB)	Dimensions (H" x Dia.)	Pricing			
									1	10	100	1000
335370	AST200	JVP	15	3/80	2 – 5	2731	85	8.7 sq. x 4.2 H	\$2.95	\$2.55	\$2.25	\$1.95
335441	AST800	JVP	15	3	2 – 4.5	3200	87	11 W x 14 D x 3.5 H (mm)	3.25	2.95	2.55	2.25
24871	63S109LA	JVP	16	9/30	6 – 12	400	75	1.3L x 0.7W x 0.6H	2.49	2.19	1.99	1.79
140695	63S1120-LA	JVP	16	12/25	9 – 15	400	75	1.3L x 0.7W x 0.6H	2.09	1.80	1.27	1.20

Omni-directional Electret Condenser Microphone Cartridges

- Modems for computers
 - Used for recording, testing, and monitoring
- Applications: Tape recorders, intercoms, hearing aids, telephone and answering devices, sonic controlled toys and sensors

Part No.	Cross Ref. No.	*Mfr.	Sensitivity	Frequency (Hz)	Max. Op. Volt.	Stand Op. Volt.	Max. Current	Sensitivity Reduction	S/N Ratio	Impedance	Terminals	Size (H x Dia.)	Pricing			
													1	10	100	1000
1950948	EM-4F-31	SPK	-60 ±3dB	50-16,000	10VDC	3.0VDC	0.5mA	-3dB @ 3V	>58dB	>2.2kΩ	PC pin leads	.27" x .39"	\$0.89	\$0.79	\$0.69	\$0.59
136574	WM-60PC	JVP	-54 ±2dB	20-12,000	12VDC	4.5VDC	0.5mA	-3dB @ 3V	>40dB	>2.2kΩ	PC pin leads	.30" x .38"	.79	.69	.59	.49
320179	EM-99	♦	-64 ±2dB	20-12,000	12VDC	4.5VDC	0.5mA	-3dB @ 3V	>40dB	>2.2kΩ	PC pin leads	.27" x .39"	.99	.89	.75	.59

* ADT = Arndt Electronics | JVP = Jameco ValuePro | SPK = SPK Electronics | ♦ Manufacturer Varies

★ For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 159.

JAMECO
ValuePro

Black Instrumentation Knobs (1/4" Shaft Diameters)

• Set screw for secure attachment

• RN-112A/113A/114A: numeric dial type

★ Web Code: EBD

JAMECO
EXCLUSIVE

							
264998	265009	264920	264955	264990	264883		
Part No.	Cross Ref. No.	Body Color	Pointer Color	Size (H" x Dia.)	1	10	100
264998	JK-902A 	Black	White	.69 x 1.31	\$.89	\$.67	\$.62
265009	JK-902B	Black	White	.60 x .95	\$.69	\$.66	\$.61
264920	JK-901A 	Black/alum	White	.79 x 1.77	1.59	1.33	1.10
264955	JK-901C 	Black/alum	White	.61 x 1.06	\$.79	\$.62	\$.56
264990	JK-901D 	Black/alum	White	.47 x .78	\$.87	\$.73	\$.61
264883	RN-112A 	Black/alum	Numeric	.90 x 1.46	\$.98	\$.84	\$.79

							
264892	102788	104176	202287	136241	138393		
Part No.	Cross Ref. No.	Body Color	Pointer Color	Size (H" x Dia.)	1	10	100
264892	RN-113A 	Black/alum	Numeric	.70 x 1.15	\$1.05	\$.89	\$.80
102788	JK-903C 	Black	White	.54 x 1.25 .....	.64	.41	.39
104176	JK-902C 	Black	White	.49 x .75	1.04	1.01	1.00
202287	CP-Z1-M-S 	Black/alum	White	.60 x .80 .....	.80	.62	.56
136241	GKB-214 	Black/alum	White	.52 x .54 .....	.87	.73	.61
138393	41108-1 	Black/alum	White	.56 x .85	1.22	1.04	.94

JAMECO
ValuePro

Color Instrumentation Knobs (1/4" Shaft Diameters)

• JK-907 series: pressure fit type, top set screw; JK-905 series: side set screw

• CR-MS series for knurled shaft

• All photos on www.Jameco.com



Part No.	Cross Ref. No.	Body	Pointer	H" x Dia."	Fig.	1	10	100
264823	CPBTAA191AS6.4BK	Black/black	White	.79 x .77	—	\$1.04	\$.92	\$.69
265051	JK-905A	Black/red	White	.58 x .57	1	.....99	.89	.79
265077	JK-905C	Black/blue	White	.58 x .57	1	.....98	.84	.63
265018	JK-904A	Black/red	White	.47 x .78	2	.....1.02	.79	.72
265261	CR-MS-5C5-T18	Grey	Grey	.68 x .51	3	.....86	.72	.61
265228	CR-MS-1C5-T18	Grey	Red	.68 x .51	3	.....74	.66	.495

* For use with 1/4" knurled shaft

JAMECO
ValuePro

Aluminum Instrumentation Knobs (1/8" and 1/4" Shaft Diameters)

Includes: Set screw for secure attachment

290125:

Coarse surface

for sensitive control; 1/8" shaft dia.



Part No.	Cross Ref. No.	Fig.	Shaft Size	Body Color	Pointer Color	Size (H" x Dia.)	1	10	100
290125	42008-1	1	1/8"	Silver	Silver	.500 x .625	\$1.99	\$1.79	\$1.61
162481	K5-1/4S	2	1/4"	Chrome	Silver	.500 x .560	1.49	1.37	1.03
162499	K5-1/4B	3	1/4"	Black	White	.500 x .560	1.95	1.75	1.59
138482	KN031	4	1/4"	Alum.	Black	.610 x .650	1.95	1.76	1.55
138502	KN032	4	1/4"	Alum.	Black	.870 x .750	2.65	2.34	2.13
138511	KN033	4	1/4"	Alum.	Black	1.18 x .870	2.99	2.69	2.44

KEYSTONE

Hardware

4-40 Mounting Bracket

• Material: zinc plated

★ Web Code: DDW

Part No.	Product No.	Description	Size (H"xL"xW")	1	10	100
1581530	621	L-type, steel	.343 x .375 x .250	\$.35	\$.332	\$.196

Nylon Shoulder Washers/Bushing

• Nylon 6/6

• Order in multiples of 10

Part No.	Product No.	Screw Size	Diameter	10	100	500
1581804	3049	4	.218"	\$.079	\$.039	\$.034

4-40 Force-Fit Threaded

• Stainless steel

• .166" mounting hole

Part No.	Product No.	Description	Diameter	1	10	100	500
1581898	4861	Round, .065"L	.218"	\$.89	\$.80	\$.72	\$.65

KEYSTONE

Terminal Turret

• Material: brass, bright tin plated

* Order in multiples of 10

Part No.	Product No.	Description	Size	1	10	100
1582410	1520-2	Single	.187"L x .109" PCB thickness	.....	* \$1.12	* \$1.08

Hardware and Spacer Assortment Kit

Includes 2300 pcs. (23 types) Spacers, Nuts, Flat, Tooth & Lock Washers and Slotted PH Screws

SAVE \$18

100 each Spacers	100 each Hex nuts	100 each Flat	100 each Int. tooth	100 each Split lock	100 each PH machine screws
—	2-56	—	—	#2	2-56 x 1/4, —
4-40	4-40	#4	#4	#4	4-40 x 1/4, 1/2
6-32	6-32	#6	#6	#6	6-32 x 1/4, 1/2
8-32	8-32	#8	#8	#8	8-32 x 1/2, —
Part No.	Description	Wt. (lbs.)	1	10	100
108433	2300 pcs. Hardware kit	7.5	.....	\$89.95	\$75.95

* For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product

⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Details on page 159.

JAMECO
ValuePro

PCB Standoff Mounting Hardware

• Snap "on" • Nylon

Part No.	Cross Ref. No.	Dimensions	Holes	1	10	100	1000
129252	PCST2	0.9"L x 0.4"Dia.	0.2"/0.3".....	\$0.25	\$0.21	\$0.18	\$0.12

RAF

QUANTITY SAVE

Thumbscrews

Washer-Face Aluminum

★ Web Code: VBZ

Washer-Face

Plain

Part No.	Product No.	Thread	Thread Length	Length	1	10	100	1000
393976	7100-A	4-40	5/16"	5/8"	\$1.75	\$1.36	\$1.23	\$1.17
394004	7106-A	8-32	3/8"	11/16"	2.49	2.15	1.80	1.35

Plain Aluminum

Part No.	Product No.	Thread	Thread Length	Length	1	10	100	1000
394063	7125-A	6-32	3/8"	9/16"	\$2.09	\$1.69	\$1.52	\$1.14

RAF

Aluminum Round Spacers

• Iridite clear finish

• 1/4" OD

★ Web Code: TBQ

Part No.	Product No.	Description	1	10	100	1000
393115	1128-4-A-7	1/2", #4ID (0.115")	\$.36	\$.29	\$.28	\$.21
393297	1126-6-A-7	3/8", #6ID (0.140") .....	.30	.242	.23	.218

RAF

3" Instrumentation Handles (Oval)

• Oval handle width: .625" (5/8")

• 10-32 thread-on 3.00" centers (2)

★ Web Code: MBJ

NEW
MARKED IN PINK

Part No.	Size (L" x H" x T")	1	10	100
216821	3.0 x 1.3 x 0.3	\$3.95	\$3.49	\$3.19
457801	3.0 x 1.0 x 0.4	1.95	1.49	.99

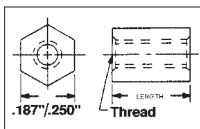
.187"/.250" Aluminum, Brass & Steel Hex Threaded Standoffs

† Finish: Iridite (clear); ¹ per MIL-C-5541-D; ² bright tin plate; ³ stainless steel; ⁴ brass (plain); ⁵ zinc clear chromate

*Web Code: TBQ



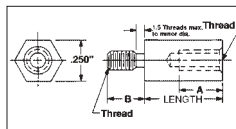
Female



Hex Female (Fig. 1)



Male/Female



Hex Male/Female (Fig. 2)

.187"/.250" Hex Female Standoffs

.187" Hex 4-40 Thread (Fig. 1) • Order in multiples of 5

Part Number	Metal†	Hex Length	Pricing		
			5	100	1000
175636	Brass ²	.187"	\$.19	\$.15	\$.10
102795	Brass ²	.250"	.25	.15	.12
133613	Alum ¹	.250"	.29	.17	.14
133640	Alum ¹	.500"	.35	.23	.17
139185	Alum ¹	1.000"	.49	.35	.29

.250" Hex 4-40 Thread (Fig. 1) • Order in multiples of 5

Part Number	Metal†	Hex Length	Pricing		
			5	100	1000
139192	Alum ¹	.250"	\$.15	\$.12	\$.08
1944353	Brass ⁴	.250"	.39	.25	.19
77500	Alum ¹	.375"	.17	.13	.08
393693	Brass ⁵	.375"	.54	.35	.23
134763	Alum ¹	.437"	.35	.19	.15
108371	Alum ¹	.500"	.39	.21	.17
393713	Brass ⁵	.500"	.55	.35	.25
77519	Alum ¹	.625"	.43	.25	.19
133605	Alum ¹	.750"	.39	.21	.19
1944370	Brass ⁴	.750"	.69	.35	.29
393731	Brass ⁵	.750"	.70	.66	.62
139205	Alum ¹	1.000"	.29	.19	.13
393749	Brass ⁵	1.000"	.71	.56	.42

.250" Hex 6-32 Thread (Fig. 1) • Order in multiples of 5

Part Number	Metal†	Hex Length	Pricing		
			5	100	1000
77535	Alum ¹	.250"	\$.25	\$.15	\$.12
1582398	Brass ⁴	.250"	.25	.19	.12
133591	Alum ¹	.375"	.25	.12	.08
1582400	Brass ⁴	.375"	.29	.25	.17
77542	Alum ¹	.500"	.19	.13	.08
393772	Brass ⁵	.500"	.59	.35	.30
77552	Alum ¹	.625"	.39	.23	.17
77569	Alum ¹	.750"	.25	.19	.12
77578	Alum ¹	1.000"	.45	.29	.25
1944388	Brass ⁴	1.000"	.39	.35	.29
143407	Alum ¹	1.500"	.55	.39	.29
393811	Brass ⁵	1.500"	.95	.71	.59
143441	Alum ¹	1.750"	.72	.547	.353

.187"/.250" Hex Male/Female Standoffs

.187" Hex 4-40 Thread (Fig. 2) (A: .250"; B: .187") • Order in multiples of 5

Part Number	Metal†	Hex Length	Pricing		
			5	100	1000
393458	Alum ¹	.250"	\$.357	\$.339	\$.322
393474	Alum ¹	.500"	.46	.39	.32
393503	Alum ¹	1.000"	.47	.35	.30
139791	Alum ¹	.562"	.24	.19	.16

.187" Hex 6-32 Thread (Fig. 2) (A: .375"; B: .250") • Order in multiples of 5

Part Number	Metal†	Hex Length	Pricing		
			5	100	1000
393554	Alum ¹	.500"	\$.35	\$.25	\$.20
393588	Alum ¹	1.000"	.39	.29	.25

.250" Hex 4-40 Thread (Fig. 2) (A: .250"; B: .187") • Order in multiples of 5

Part Number	Metal†	Hex Length	Pricing		
			5	100	1000
77586	Alum ¹	.250"	\$.29	\$.21	\$.18
1582330	Brass ⁵	.250"	.49	.336	.216
77594	Alum ¹	.375"	.34	.19	.12
393845	Brass ⁵	.375"	.71	.47	.42
111756	Alum ¹	.500"	.39	.29	.23
139214	Alum ¹	.625"	.423	.288	.189
139222	Alum ¹	.750"	.45	.35	.25
139231	Alum ¹	1.000"	.49	.39	.29
128566	Alum ¹	1.250"	.461	.402	.382
166546	Alum ¹	1.500"	.69	.59	.49

.250" Hex 6-32 Thread (Fig. 2) (A: .375"; B: .250") • Order in multiples of 5

Part Number	Metal†	Hex Length	Pricing		
			5	100	1000
133542	Alum ¹	.250"	\$.39	\$.25	\$.19
133568	Alum ¹	.375"	.39	.25	.19
77607	Alum ¹	.500"	.403	.221	.176
77623	Alum ¹	.750"	.49	.42	.315
77650	Alum ¹	1.000"	.59	.49	.35
206623	Steel ³	1.250"	1.25	.99	.75

.250" Round Threaded Standoffs

• Aluminum or Brass

† Finish: Iridite (clear); ¹ per MIL-C-5541-D; ² brass (plain)

.250" Round 4-40 Thread Female



*Web Code: TBQ

• Order in multiples of 5

Part Number	Metal†	Hex Length	Pricing		
			5	100	1000
1945102	Alum ¹	.250"	\$.39	\$.22	\$.19
1944468	Brass ²	.250"	.39	.22	.19
1944530	Alum ¹	.375"	.29	.17	.15
1944564	Alum ¹	.500"	.35	.19	.17
1944476	Brass ²	.500"	.55	.29	.25
1945129	Alum ¹	.750"	.45	.23	.19
1944484	Brass ²	.750"	.79	.49	.39
1944599	Alum ¹	1.000"	.69	.35	.29

.250" Round 6-32 Thread Female

• Order in multiples of 5

Part Number	Metal†	Hex Length	Pricing		
			5	100	1000
1944610	Alum ¹	.250"	\$.29	\$.17	\$.14
1944492	Brass ²	.250"	.29	.15	.13
1944628	Alum ¹	.375"	.29	.17	.15
1944505	Brass ²	.375"	.35	.19	.17
1945145	Alum ¹	.500"	.35	.19	.17
1944521	Brass ²	.500"	.49	.27	.24
1944644	Alum ¹	.750"	.45	.23	.19
1944652	Alum ¹	1.000"	.65	.35	.29

SAE Hardware

*Web Code: BAG

• Zinc-plated steel



Slotted Pan Head Machine Screws

Part Number	Screw Size	Thread	Length (inches)	100 piece multiple	
				100	1000
40952	4-40	Std	.250	\$.024	\$.015
40970	4-40	Std	.375	.018	.015
106810	4-40	Std	.500	.043	.031
106543	6-32	Std	.250	.018	.013
42446	6-32	Std	.375	.025	.018
106797	8-32	Std	.500	.07	.053

Hex Nuts

Part Number	Size	Thread	Length	100 piece multiple	1000
38165	2-56	Std	.183	\$.024	\$.016
40943	4-40	Std	.243	.035	.018
42420	6-32	Std	.306	.021	.017

Flat Washers

Part Number	Size	Length	100 piece multiple	1000
211131	4	.237	\$.025	\$.015
106826	4	.281	.034	.023
106833	6	.373	.025	.023

Internal Tooth Lock Washers

Part Number	Size	Length	100 piece multiple	1000
106850	4	.258	\$.007	\$.005
106868	6	.277	.018	.014

Split Lock Washers

Part Number	Size	Length	100 piece multiple	1000
40977	4	.242	\$.02	\$.015
42463	6	.240	.02	.015

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3M

Adhesive Rubber Feet



Fig. 1



Fig. 2



Fig. 3

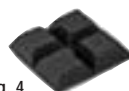


Fig. 4

These durable, pressure sensitive, adhesive-backed urethane bumpers adhere quickly and resist marring and staining on surfaces and give excellent skid and abrasion resistance.

Bump-on™ Protective Products

Part No.	Product No.	Type	Fig.	Pack	W" x H"	1	10	50
142658	SJ5012BLKC	Black cylindrical	1	100	.50 x .14	\$6.99	\$5.99	\$5.49
142771	SJ5008BLKC	Black square	2	100	.50 x .12	7.99	5.99	4.99
142682	SJ5018BLKC	Black square	3	100	.50 x .23	10.95	8.99	7.99
126981	SJ5023BLK4	Black square	4	4	.81 x .30	2.25	1.95	1.75
142666	SJ5023BLKC	Black square	4	100	.81 x .30	14.99	12.99	10.99

*Web Code: FAV

*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 159.



135394 – Electrolytic



18294 – Toy Motors



149649 – Fans



135271 – LEDs



169578 – Photocells



55968 – Spacers



319600 – Cabinet

* "LB" grab bag quantities and weights are approximate • Opened grab bags are not returnable • Use our 20-drawer cabinet w/ labels to store your components, P/N 319600

Shaded in brown on this page you will find Jameco's nine (9) most popular component Grab Bags. They are all individually bagged, and are combined to make up the Schwab's School Selection (P/N 163213) referenced towards the bottom of the page.

Capacitor Assortments

Part No.	Cross Ref. No.	Description	Wt. (lbs.)	1	10
17857	GB100	200 asst. ceramic disc capacitors	0.2	\$5.95	\$4.95
135335	GB100LB*	1 lb. (900 pcs) asst. ceramic disc caps	1.0	14.95	12.95
17881	GB101	100 assorted mylar capacitors	0.3	5.95	4.95
135458	GB101LB*	1 lb. (400 pcs) asst. mylar capacitors	1.0	14.95	12.95
17911	GB102	100 assorted electrolytic capacitors radial, axial, snap	0.5	5.95	4.95
135394	GB102LB*	1.5 lb. assorted (300 pcs) electrolytic caps radial, axial, snap (photo above)	1.5	12.95	10.95
17945	GB103	100 assorted tantalum capacitors (dipped epoxy and solid tubular)	0.1	12.95	10.95

1/4 & 1/2 Watt Resistor Assortments

Part No.	Cross Ref. No.	Description	Wt. (lbs.)	1	10
18104	GB116	200 asst. 1/4W resistors (5&10%)	0.1	\$4.95	\$3.95
135351	GB116LB*	1 lb. (2000 pcs) asst. 1/4W resistors	1.0	14.95	12.95
18139	GB117	200 asst. 1/2W resistors (5&10%)	0.2	5.95	4.95

Trimmers, Single & Multi-Turn Potentiometers

Part No.	Cross Ref. No.	Description	Wt. (lbs.)	1	10
18075	GB113	100 asst. 1/10W to 1/8W trimmer pots (100Ω to 2MΩ values)	0.1	\$6.95	\$5.95
18278	GB174	100 assorted 1/4W, 1/2W & 3/4W multi-turn pots (100Ω to 5MΩ assorted values)	0.2	7.95	6.95
135407	GB174LB*	1 lb. (300 pcs) 1/4W, 1/2W & 3/4W multi-turn pots (100Ω to 5MΩ assorted values)	1.0	17.95	15.95

LEDs, 7-Segment Displays and Photocells

Part No.	Cross Ref. No.	Description	Wt. (lbs.)	1	10	25
18041	GB110	100 assorted sizes & colored LEDs (T1 & T1 1/2 round and rectangular)	0.1	\$6.95	\$5.95	\$4.95
18323	GB186	500 asst. sizes #18041 LEDs	0.3	24.95	22.95	19.95
135271	GB110LB*	1 lb. (1900 pcs) asst. #18041 LEDs	1.0	59.95	54.95	49.95
18201	GB162	50 asst. sizes of colored displays (7-segment LED, modules, stick)	0.5	9.95	8.95	7.95
169578	GB125	100 asst. values photocells	0.2	19.95	17.95	15.95

Schwab's School Selection

Jameco's nine (9) most popular Grab Bags (highlighted on this page) are all individually bagged. North Dakota Engineer, Loren Schwab, recommended this selection of products as a standard item. He also recommended a 20-drawer component cabinet with labels (319600, see photo above) for storage.

Includes: Ceramic and electrolytic capacitors, diodes, transistors, potentiometers, LEDs, 1/4W resistors, switches, spacers and standoffs.

Part No.	Cross Ref. No.	Description	Wt. (lbs.)	1	10
163213	GB197	Schwab's School Selection	3.3	\$49.95	\$44.95
319600	GB197	20 drawer component cabinet	4.7	16.49	14.45



What's your suggestion?

\$68.55 Value

Integrated Circuits and Sockets

Part No.	Cross Ref. No.	Description	Wt. (lbs.)	1	10
17996	GB108	100 assorted TTL series (74, 74ALS, 74C, 74HC, 74HCT, 74F, 74LS, 74S)	0.2	\$9.95	\$8.95
135280	GB108LB*	1 lb. (400 pcs) asst. TTL series (same as P/N 17996, above)	1.0	29.95	26.95
18024	GB109	100 asst. linear series (NSC, Motorola, TI) TO-3, 8 & 14-pin DIP, SOIC packages	0.6	12.95	11.49
145242	GB109-300	300 asst. linear series (NSC, Motorola, TI) TO-3, 8 & 14-pin DIP, SOIC packages	2.0	22.95	19.95
105620	GB120	100 asst. sockets (DIP IC, PGA)	0.3	6.95	5.95
135386	GB120LB*	1 lb. (300 pcs) assorted sockets (DIP, PGA, SIMM, SIP, DIN)	1.0	15.95	13.95

Diodes, Transistors and Crystals/Oscillators

Part No.	Cross Ref. No.	Description	Wt. (lbs.)	1	10	25
17961	GB107	200 assorted diodes (zener, switching, silicon)	0.1	\$6.95	\$5.95	\$4.95
18171	GB127	100 assorted transistors (NPN, PNP, power)	0.1	6.95	5.95	4.95
114446	GB150	50 assorted crystals/oscillators	0.2	6.95	5.95	4.95

Switches, Toy Motors, Gears and Fans

Part No.	Cross Ref. No.	Description	Wt. (lbs.)	1	10
18235	GB165	50 assorted switches (toggle, pushbutton, rocker, slide)	0.4	\$7.95	\$6.95
135378	GB165LB*	1 lb. (150 pcs) asst. #18235 switches	1.0	19.95	17.95
18294	GB182	5 asst. toy DC motors (1.5–24V)	1.1	6.95	5.95
149649	GB193	5 asst. AC&DC fans (photo above)	4.5	9.95	8.95
1943094	GB198	30 asst. gears, plastic/nylon (20, 22, 23, 59, 63 teeth vary)	0.3	14.95	12.95

Spacer & Threaded Standoff Assortments

• Round • Hex • Aluminum • Brass • Steel • Plastic • Nylon

Part No.	Cross Ref. No.	Description	Wt. (lbs.)	1	10
55968	GB140	100 asst. 4-40, 6-32, 8-32 round/hex, alum/brass/nylon, spacers/standoffs	0.3	\$14.95	\$12.95
135423	GB140LB*	1 lb. (300 pcs) same as P/N 55968	1.0	29.95	25.95

Hardware Assortments

• Screws, nuts, washers and lock washers; sizes 2-56, 4-40, 6-32 and 8-32
• Plastic • Steel • Brass • Aluminum

Part No.	Cross Ref. No.	Description	Wt. (lbs.)	1	10	25
171571	GB149*	1 lb. (500 pcs) asst. types of screws, nuts, washers & lock washers	1.0	\$6.95	\$5.95	\$4.95
171635	GB149LB*	3 lbs. (1400 pcs) asst. types; same as P/N 171571 (above)	3.0	17.95	15.95	13.95

Surprise Component Grab Bag

Axial and radial electrolytics, monolithic, dipped silver mica and mylar capacitors, ICs, connectors, sockets, headers, thermistors, LEDs, resistor networks, diodes, standoffs, transistors, oscillators/resonators, inductors, crystals, resistors, pots and switches (1000 pcs.)

Our Best Seller!



Part No.	Cross Ref. No.	Description	1	10
135263	GB191LB*	3 lb. electronic components	\$17.95	\$15.95

*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code

Grab bag contents will vary based on availability and may not include all noted product families.

Call for additional OEM PRICING - we carry major manufacturers.



695050



1581249

★ 5V Web Code: TAS

NEW
MARKED IN PINK

DC Brushless Fans

★ 12V Web Code: LBZ



1809936



1951490

MM to Inches Conversion Chart

MM	6.8	10	15	20	25	28	30	32	35	38	40	45	51	60	76	80	92	95	97	120	127	150	172
Inches	0.27	0.40	0.60	0.80	1.00	1.10	1.18	1.26	1.40	1.50	1.60	1.80	2.00	2.36	2.99	3.15	3.63	3.74	3.82	4.69	5.00	5.90	6.77

Part No.	Manufacturer	Product No.	Voltage (VDC)	Size mm (W x H x D)	Air Flow (CFM)	Bearing	Current (mA)	Power (Watts)	Agency Approvals	Noise (dBA)	Connection (Leads)	Pricing			
												1	10	50	100
1950551	Sunon	KDE0501PFB1-8H(2)V	5	20 x 20 x 10	2.2	Ball	150	0.9	CE	26	5.5"	\$8.95	\$7.95	\$6.95	\$5.95
131247	Adda	AD0205LX-G50	5	25 x 25 x 10	1.8	Sleeve	100	0.5	UL/CSA/CE	15.6	5.5"	10.95	9.95	8.95	7.95
695050	Sunon	GM0502PFV2-8	5	25 x 25 x 10	3.0	Vapo	80	0.4	UL/CUL	16	5.5"	7.95	6.95	5.95	4.95
1708481	Sunon	KDE0502PHB3-8 (MS)	5	25 x 25 x 15	1.8	Ball	80	0.4	UL/CUL	16	4"	7.95	6.95	5.95	4.95
1928311	Adda	AD0305LB-K70	5	30 x 30 x 6.8	2.5	Ball	60	0.3	UL/CUL/TUV/CE	30	6"	11.95	10.95	9.95	8.95
1951211	Sunon	KDE0503PEV1-8 (MSN)	5	30 x 30 x 6.8	4.9	Vapo	180	0.9	UL/TUV/CE	28	6"	9.95	8.95	6.95	5.95
1951220	Sunon	KDE0503PEB3-8 (MSN)	5	30 x 30 x 6.8	4.9	Ball	180	0.9	UL/TUV/CE	28	6"	10.95	9.95	8.95	7.95
1950534	Sunon	KDE0503PFB1-8V	5	30 x 30 x 10	5.1	Ball	180	0.7	UL/TUV	22.5	5"	10.95	9.95	8.95	7.95
1708457	Sunon	KDE0504PEB3-8 (MS)	5	40 x 40 x 6.8	3.5	Ball	90	0.45	UL/CUL/TUV	20	6"	8.95	7.95	6.95	5.95
1928361	Adda	AD0405MB-K90(S)	5	40 x 40 x 6.8	5.5	Ball	90	0.45	UL/TUV/CE	25	6"	10.95	9.95	8.95	7.95
1928353	Adda	AD0405HB-K90	5	40 x 40 x 6.8	6.0	Ball	120	0.6	UL/CUL/TUV/CE	30	5"	11.95	10.95	9.95	8.95
1581249	Sunon	KDE0504PFB3-8	5	40 x 40 x 10	4.6	Ball	70	0.35	UL/CUL	23.5	12"	7.95	6.95	5.95	4.95
196373	Sunon	KD0504PFB2-8	5	40 x 40 x 10	5.5	Ball	90	0.5	UL/CUL	23	12"	8.95	7.95	6.95	5.95
1928370	Adda	AD0405HS-G70	5	40 x 40 x 10	6.7	Sleeve	190	0.95	UL/CUL/TUV/CE	25	3" w/ conn	6.95	5.95	4.95	3.95
1581265	Sunon	KDE0504PFS1-8	5	40 x 40 x 10	7.0	Sleeve	110	0.6	UL/CUL	27	12"	6.95	5.95	4.95	3.95
1585442	Sunon	KDE0504FB2 (MS)	5	40 x 40 x 10	7.0	Ball	140	0.7	CE	27	12"	7.95	6.95	5.95	4.95
1951238	Sunon	KDE0504FB1-OC	5	40 x 40 x 10	7.5	Ball	200	1.0	UL/CE	28	12"	7.95	5.95	4.95	4.49
1952741	Elina	KDC050420MB	5	40 x 40 x 20	6.8	Ball/Sleeve	210	1.0	UL/CUL/TUV	25.5	12"	7.95	6.95	5.95	4.95
1951406	Delta	AFB0405HD-ROO	5	40 x 40 x 20	8.5	Ball	400	20	UL/CUL/TUV/CE	33	12" ¹	8.95	7.95	6.95	5.95
1951060	Mechatronics	M5010M05C	5	51 x 51 x 10	6.4	Ball/Sleeve	60	0.3	UL/CUL/CE	24	12"	8.95	7.95	6.95	5.95
1950500	Sunon	KDE0505PFB1-8	5	51 x 51 x 10	10.2	Ball	170	0.9	UL/TUV	31.5	12"	7.95	6.95	5.95	4.95
1809936	Sunon	KDE0505PHB2-8	5	51 x 51 x 15	12.7	Ball	380	1.9	UL/CUL/TUV/CE	27.8	12"	7.95	6.95	5.95	4.95
1809944	Sunon	KDE0506PHB3	5	60 x 60 x 15	15.2	Ball	240	1.2	UL/CUL/TUV/CE	26.5	12"	7.95	6.95	5.95	4.95
1708431	Sunon	KD0506PHB2	5	60 x 60 x 15	18.5	Ball	380	1.9	UL/CUL/TUV/CE	32	12"	7.95	6.95	5.95	4.95
1951414	Delta	AFB0605HD	5	60 x 60 x 20	16.6	Ball	240	1.2	UL/CUL/TUV/CE	28	12"	9.95	8.95	7.95	6.95
355493	Sunon	KD0506PTS3	5	60 x 60 x 25	15.9	Sleeve	230	1.2	UL/CUL/CE	26.7	6.5" w/ conn	6.95	5.95	4.95	3.95
1951078	Mechatronics	F6025E05B2-FS	5	60 x 60 x 25	24	Ball	700	3.5	UL/CUL	36	12" ²	8.95	7.95	6.95	5.95
1776257	Delta	AFB0605MB	5	60 x 60 x 38	13.5	Ball	200	1.0	UL/CSA/DE/CE	29	12.9"	13.65	8.49	7.97	7.20
1951086	Mechatronics	F8025E05B2-FS	5	80 x 80 x 25	46	Ball	800	4.0	UL/CUL	32	12" ²	8.95	7.95	6.95	5.95
1951094	Mechatronics	E9225M05B2-FS	5	92 x 92 x 25	44	Ball	560	2.8	UL/CUL	32	12" ²	8.95	7.95	6.95	5.95
1951107	Mechatronics	F1238L05B2-FS	5	120 x 120 x 38	94	Ball	800	4.0	UL/CUL	36	12" ²	10.95	9.95	8.95	7.95
1951641	Adda	AD0212LB-G50(GL)	12	25 x 25 x 10	1.8	Ball	70	0.84	UL/CUL/CE	15.6	5.5"	11.95	10.95	9.95	8.95
1708449	Sunon	KDE1202PFB1-8 (V)	12	25 x 25 x 10	3.1	Ball	83	1.0	UL/CUL	33	6"	11.95	10.95	9.95	8.95
1708465	Sunon	KDE1203PFB2-8 (MS)	12	30 x 30 x 10	3.0	Ball	66	0.8	UL/CUL	25	6"	8.95	7.95	6.95	5.95
212783	Sunon	KDE1203PFB1-8	12	30 x 30 x 10	3.5	Ball	75	0.9	UL/CUL/TUV/CEN/DE	27	5.9"	8.95	7.95	6.95	5.95
212767	Sunon	KDE1203PFB3-8(V)	12	30 x 30 x 10	3.5	Ball	50	0.6	UL/CE	18.5	6"	9.49	8.54	6.83	6.35
1928134	Adda	AD0312HB-D50	12	30 x 30 x 15	3.5	Ball	110	1.3	UL/CUL/TUV/CE	22.5	3" w/ conn	9.95	8.95	7.95	6.95
212741	Sunon	KDE1235PFB2-8	12	36 x 36 x 10	4.5	Ball	60	0.8	UL/CUL/TUV/CEN/DE	21	5.9"	9.95	8.95	7.95	6.95
212759	Sunon	KDE1235PFB1-8	12	36 x 36 x 10	5.2	Ball	80	1.0	UL/CUL/TUV/CEN/DE	25	5.9"	11.95	10.49	8.95	7.95
212760	Sunon	KDE1235PFB1-8	12	36 x 36 x 10	5.2	Ball	80	1.0	UL/CUL/TUV/CEN/DE	25	5.9"	11.95	10.76	9.68	8.06
1951490	Adda	AD0412HB-K90	12	40 x 40 x 6.8	6.0	Ball/Sleeve	80	1.0	UL/CUL/TUV/CE	30	5.5"	8.95	9.95	6.95	5.95
1950526	Sunon	KD1204PFS3H	12	40 x 40 x 10	4.2	Sleeve	60	0.7	UL/TUV	22	12"	4.95	4.49	3.95	3.49
210797	Sunon	KD1204PFB3H	12	40 x 40 x 10	4.7	Ball	50	0.6	UL/CUL/TUV/CE	24	14"	6.95	6.25	5.59	4.95
279611	Toyo	T401012VH	12	40 x 40 x 10	5.8	Ball	90	1.1	UL/CUL/TUV/CE	33.5	12"	4.95	3.95	3.49	2.95
1708561	Sunon	KD1204PFB3H	12	40 x 40 x 10	6.5	Ball	50	0.6	UL/CUL/TUV	24	12"	6.95	5.95	4.95	3.95
212717	Sunon	KDE1204PFV2.11.MS.AGN	12	40 x 40 x 10	6.5	Ball	90	1.1	UL/CUL/TUV/CEN/DE	27	12"	4.95	3.95	3.75	3.39
1585469	Y.S. Tech	FD1240107B-2N	12	40 x 40 x 10	6.6	Ball	90	1.08	UL/CUL/TUV	29	6"	5.95	4.95	3.95	3.25
290010	Adda	AD0412HB-G70	12	40 x 40 x 10	6.7	Ball	100	1.2	UL/CUL/TUV/CE	25	10" w/ conn	6.95	5.95	4.95	3.95
1928054	Adda	AD0412HB-G70	12	40 x 40 x 10	6.7	Ball	100	1.2	UL/CUL/TUV/CE	25	2.5" w/ conn	5.95	4.95	3.95	3.25
1950139	Sunon	KDE1204PFS2-11	12	40 x 40 x 10	7.0	Sleeve	92	1.1	UL/CUL/TUV/CE	27	12"	7.95	6.95	5.95	4.95
189691	Sunon	KD1204PFS1-8	12	40 x 40 x 10	8.0	Sleeve	60	0.7	UL/CUL/TUV/CE	30	12"	8.59	7.75	6.29	4.72
212725	Sunon	KDE1204PFV1	12	40 x 40 x 10	8.3	Vapo	110	1.4	UL/CUL/TUV/CEN/DE	34.4	12"	5.95	4.95	4.49	3.95
1708473	Sunon	KDE1204PFVX11.MS.A	12	40 x 40 x 10	9.5	Vapo	150	1.8	UL/CUL/TUV	39	12"	7.95	6.95	5.95	3.95
136178	Adda	AD0412MS-C70	12	40 x 40 x 20	5.0	Sleeve	110	1.32	UL/CSA	23	9"	6.95	5.95	4.95	3.95
1809856	Sunon	GM1204PKV3-A	12	40 x 40 x 20	6.3	Vapo	50	0.6	UL/CSA/TUV	18	12"	7.95	6.95	5.95	4.95
195899	Sunon	KDE1204PKS2	12	40 x 40 x 20	6.5	Sleeve	70	0.9	UL/CSA/TUV	25.5	12"	6.95	5.95	4.95	3.95
279620	Toyo	T402012H	12	40 x 40 x 20	6.7	Ball	70	0.84	UL/CUL/TUV/CE	26.2	12"	6.95	5.95	4.95	3.95

¹ 3 leads: speed sensor ² 3 leads: locked rotor protection ³ 3 leads: temperature sensor ⁴ 3 leads: thermistor speed control (These functions are optional; if needed)

☛ This product typically requires one to two additional days to ship. Please request "ship partial" if you prefer the other products on your order ship immediately. A separate shipping charge would apply.

★ For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

Fans Continued on Next Page

☛ RoHS compliant product ☛ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 159.

DC Brushless Fans

3 LEVELS OF SAVINGS
FRANCHISE SOURCED
GENERIC HOUSE BRANDS
FACTORY OVERRUN

★ 12V Web Code: LBZ

Call for additional OEM PRICING – we carry major manufacturers.

DC Brushless Fans (continued)

NEW
MARKED IN PINK



MM to Inches Conversion Chart



354933



1951174

MM	6.8	10	15	20	25	28	30	32	35	38	40	45	51	60	76	80	92	95	97	120	127	150	172
Inches	0.27	0.40	0.60	0.80	1.00	1.10	1.18	1.26	1.40	1.50	1.60	1.80	2.00	2.36	2.99	3.15	3.63	3.74	3.82	4.69	5.00	5.90	6.77

Part No.	Manufacturer	Product No.	Voltage (VDC)	Size mm (W x H x D)	Air Flow (CFM)	Bearing	Current (mA)	Power (Watts)	Agency Approvals	Noise (dBA)	Connection (Leads)	Pricing			
												1	10	50	100
249375	Adda	ADO412HB-C56	12	40 x 40 x 20	9.2	Ball	100	1.1	UL/CUL/TUV/CE	39.3	2 ¹	\$7.95	\$6.95	\$5.95	\$4.95
687754	Sunon	KDE1204PKSX-8	12	40 x 40 x 20	9.5	Sleeve	90	1.1	UL/CSA	28	11"	6.95	6.25	5.59	4.95
206165	Sunon	KDE1204PKBX-8	12	40 x 40 x 20	10	Ball	90	1.1	UL/TUV/CE	29.4	17"	7.29	6.80	6.58	6.27
1928118	Adda	AD4012HB-C50	12	40 x 40 x 20	10.5	Ball	100	1.2	UL/CUL/TUV/CE	31.9	12"	7.95	6.95	5.95	4.95
1585291	Sunon	GM1204PKVX-A	12	40 x 40 x 20	10.8	Vapo	130	1.60	UL/CUL/CSA	27.5	5"	6.95	5.95	4.95	3.95
1951246	Sunon	PMD1204POBX-A(2)	12	40 x 40 x 28	23.5	Ball	570	6.8	UL/CE	51.5	12"	11.95	10.95	9.95	8.95
1951254	Sunon	PMD1204POBX-A(2)F	12	40 x 40 x 28	23.5	Ball	570	6.8	UL/CE	51.5	12"	12.95	11.95	10.95	9.95
1950753	Rotron	CR4512MB-G70	12	45 x 45 x 10	6.9	Ball	70	0.8	UL/CUL/CE/TUV	21.6	12"	6.95	5.95	4.95	3.95
212688	Sunon	KDE1245PFB2-H	12	45 x 45 x 10	8.0	Ball	60	1.1	UL/CUL/TUV/CEN/DE	29	12"	7.25	6.95	6.59	5.95
1918809	Jamicon	KF0510B1M	12	51 x 51 x 10	9.27	Ball	80	0.8	UL/CUL/TUV/CE	26.6	10.5"	7.95	6.95	5.95	4.95
1708588	Sunon	KD1205PFS2H	12	51 x 51 x 10	11	Sleeve	91.6	1.1	UL/CUL/TUV	26	12"	7.95	6.95	5.95	4.95
1950446	Sunon	KD1205PFB1(2)H	12	51 x 51 x 10	11.4	Ball	130	1.6	UL/TUV	34.7	12"	6.95	5.95	5.59	4.95
1809830	Sunon	KDE1205PFB2-8	12	51 x 51 x 10	11.5	Ball	100	1.2	UL/CUL/TUV	28.5	12"	8.95	7.95	6.95	5.95
1809821	Sunon	GM1205PFVX-AR	12	51 x 51 x 10	12.4	Vapo	80	1	UL/CUL/TUV	36	12"	7.95	6.95	5.95	4.95
1810005	Sunon	KDE1205PHB3	12	51 x 51 x 15	10.2	Ball	60	0.7	UL/CUL/TUV/CE	22.5	12"	7.95	6.95	5.95	4.95
139602	Adda	AD0512HS-D71	12	51 x 51 x 15	12	Sleeve	100	1.2	UL/CSA/CE	29	12"	9.15	8.24	6.59	4.94
1809813	Sunon	GM1205PHV1-AR	12	51 x 51 x 15	17	Vapo	130	1.5	UL/CUL/TUV/CE	33	12"	7.95	6.95	5.95	4.95
1585418	Sunon	KDE1206PFS3-8	12	60 x 60 x 10	11.3	Sleeve	70	0.8	UL/CUL	28.5	12"	6.95	5.95	4.95	3.95
1946025	Evercool	EC6010M12CA	12	60 x 60 x 10	15.5	Ball	160	1.9	UL/CE/TUV	30	9"	8.95	7.95	6.95	5.95
354933	Delta	EFB0612MA-FOO	12	60 x 60 x 10	15.5	Ball	80	0.95	UL/CSA/DE/CE	29	12"	7.95	6.95	5.95	4.95
687800	Sunon	KDE1206PFS1-8	12	60 x 60 x 10	16.5	Sleeve	120	1.4	UL/CUL/TUV	34.5	11"	7.95	6.95	5.95	4.95
1928046	Adda	AD0612LX-D70GL	12	60 x 60 x 15	12	Hypro	90	1.08	UL/CUL/TUV/CE	27.2	8"	8.95	7.95	6.95	5.95
195945	Adda	AD612MS-D71GL	12	60 x 60 x 15	14.2	Sleeve	110	1.32	UL/CSA/TUV/CE	28.8	6"	8.89	8.02	7.31	5.48
1585400	Sunon	KDE1206PHB3	12	60 x 60 x 15	15	Ball	60	0.7	UL/CSA/CE	26	12"	8.95	7.95	6.95	5.95
249069	Jamicon	JF0615B1H-000-243	12	60 x 60 x 15	15.7	Ball	170	2.04	UL/CUL/TUV/CE	34	10.5"	7.95	6.95	5.25	4.95
1951140	Nidec	TA225DC-R33965-33	12	60 x 60 x 15	18	Ball	160	1.92	UL/CSA	30.8	12"	21.69	19.65	-	-
687771	Sunon	KDE1206PHS1	12	60 x 60 x 15	21	Sleeve	150	1.8	UL/CSA/TUV/CE	36	11"	7.95	6.95	5.95	4.95
1537141	Sunon	KDE1206PHB1	12	60 x 60 x 15	21	Ball	150	1.8	UL/CUL/CE	37.5	12"	8.95	7.95	6.95	5.95
144161	Adda	AD0612LB-C70GL	12	60 x 60 x 20	12.6	Ball	80	1.0	UL/CSA/TUV	22.7	6"	12.75	11.41	9.40	8.05
1809961	Sunon	KDE1206PKV3.13.MS.A	12	60 x 60 x 20	15	Vapo	70	0.8	UL/CUL/TUV/CE	25	12"	6.95	6.25	5.59	4.95
1928126	Adda	AD0612HB-C70GL	12	60 x 60 x 20	16.3	Ball	160	1.92	UL/CSA/TUV/CE	31	12"	7.95	7.19	6.49	5.95
189595	Sunon	KD1206PKS2	12	60 x 60 x 20	16.5	Sleeve	150	1.8	UL/CSA/TUV/CE	31	12"	7.95	7.19	6.49	5.95
1951182	Sunon	KDE1206PKV2.MS.A.GN	12	60 x 60 x 20	18.5	Vapo	90	0.8	UL/CE	27.5	11"	7.95	7.19	6.49	5.95
1708511	Sunon	KDE1206PTS3	12	60 x 60 x 25	16	Sleeve	92	1.1	UL/CSA/TUV/CE	25	11"	6.95	5.95	4.95	3.95
1708529	Sunon	KDE1206PTV3 (MS)	12	60 x 60 x 25	16	Vapo	58	0.7	UL/CUL/TUV/CE	21	12"	6.95	5.95	4.95	3.95
1536923	Jamicon	JF0625B1M	12	60 x 60 x 25	19	Ball	230	2.76	UL/CUL/TUV/CE	33.6	10"	5.95	4.95	3.95	2.95
1810101	Japan Servo	TUDC12Z4F-022	12	60 x 60 x 25	19	Ball	140	1.8	UL/CSA/TUV	32	5" w/ conn	7.95	6.95	5.95	4.95
1951131	Nidec	TA225DC-M33455-16	12	60 x 60 x 25	20	Ball	220	2.64	UL/CSA	29.4	12"	8.95	7.95	6.95	5.95
150422	Jamicon	JF0625B1H	12	60 x 60 x 25	21.44	Ball	230	2.7	UL/CSA/TUV	30.5	10"	7.05	5.87	5.38	4.93
195910	Sunon	KD1206PTS1	12	60 x 60 x 25	21.7	Sleeve	190	2.3	UL/CSA/TUV	34	12"	6.49	5.49	4.49	3.49
1809928	Sunon	KDE1206PTB1.MS	12	60 x 60 x 25	23.5	Ball	150	1.8	UL/CUL/TUV/CE	34.5	11.5"	6.95	5.95	4.95	3.95
1919140	Sunon	XD1206PTB1(2)	12	60 x 60 x 25	23.5	Ball	148	1.8	UL/CUL/TUV/CE	30	12"	8.95	7.95	6.95	5.95
1810013	Sunon	KDE1206PTV1.MS	12	60 x 60 x 25	23.5	Ball	150	1.8	UL/CUL/TUV/CE	33.5	12"	6.95	5.95	4.95	3.95
1951043	Mechatronics	6025E12B3-FS	12	60 x 60 x 25	24	Ball	230	3.5	UL/CUL	36	12"	8.95	7.95	6.95	5.95
1951158	Nidec	TA225DC-M34418-33L	12	60 x 60 x 25	25	Ball	280	3.36	UL/CSA	31.5	3"	9.95	8.95	7.95	6.95
1951174	Nidec	GAMMA28-A34351-16	12	76 x 76 x 30	10	Ball	230	2.76	UL/CSA	39	11"	17.95	15.95	14.49	12.95
401269	Delta	AFB0812LB	12	80 x 80 x 15	24.7	Ball	140	1.68	UL/CSA/TUV	27.5	10"	7.95	6.95	5.95	4.95
1950163	Sunon	KD1208PHB3H	12	80 x 80 x 15	25.5	Ball	120	1.4	CE	28	12"	7.95	6.95	5.95	4.95
190081	Adda	AD0812HS-D71	12	80 x 80 x 15	29	Sleeve	190	2.3	UL/CSA/TUV/CE	31.4	12"	6.95	6.25	5.59	4.95
1708570	Sunon	KD1208PHB1-AH	12	80 x 80 x 15	35	Ball	240	2.9	UL/CUL/TUV/CE	39.5	12"	7.95	6.95	5.95	4.95
1809987	Sunon	KDE1208PHV1.13.MS.A	12	80 x 80 x 15	40	Vapo	200	2.4	UL/CUL/TUV/CE	34	12"	7.95	7.19	6.49	5.95
141921	Adda	AD0812HB-C70	12	80 x 80 x 20	27.3	Ball	240	2.9	UL/CSA/CE	34	12"	7.65	7.22	6.85	6.51
1708596	Sunon	KD1208PKB3(2).H	12	80 x 80 x 20	31	Ball	108	1.3	UL/CUL/TUV/CE	33	12"	7.95	7.19	6.49	5.95
1537301	Panaflo	FBA08A12L	12	80 x 80 x 25	24	Sleeve	68	0.82	UL/CSA	21	11.5"	7.95	6.95	5.95	4.95
688597	NMB	3110GL-B4W-B19	12	80 x 80 x 25	24.7	Ball	100	1.2	UL/CSA/TUV/CE	22	7" w/ conn.	6.95	5.95	4.95	3.95
75361	Arndt	FAN6*	12	80 x 80 x 25	25-40	Ball	120-200	1-2	UL/CSA	25	4-12"	5.95	4.95	4.49	3.95
16993	Various	FAN7*	12	80 x 80 x 25	25-40	Sleeve	120-200	1-2	UL/CSA	25	4-12"	5.95	4.95	4.49	3.95
286926	Toyto	USTF802512MMW	12	80 x 80 x 25	29	Ball	180	2.16	UL/CSA/CE/DE	24.8	4.5"	6.95	5.95	4.95	3.71
154289	Sunon	KDE1208PTS3-6	12	80 x 80 x 25	29.4	Sleeve	120	1.4	UL/CSA/TUV/CE	24.5	5.5"	10.59	9.62	8.48	7.07
1952759	Max Flow	MF8025D1-LSPS	12	80 x 80 x 25	31.1	Sleeve	130	1.56	UL	29	7" w/ conn.	7.95	6.95	5.95	4.95

1 3 leads; speed sensor 2 3 leads; locked rotor protection 3 3 leads; temperature sensor 4 3 leads; thermistor speed control (These functions are optional, if needed) † 1951174: Blower ☉ Blue Part No. = Limited Qty Available

* For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above Fans Continued on Next Page

☉ RoHS compliant product ☉ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 159.

NEW
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*12V Web Code: LBZ

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DC Brushless Fans (continued)

MM to Inches Conversion Chart

*24V Web Code: QEF



MM	6.8	10	15	20	25	28	30	32	35	38	40	45	51	60	76	80	92	95	97	120	127	150	172
Inches	0.27	0.40	0.60	0.80	1.00	1.10	1.18	1.26	1.40	1.50	1.60	1.80	2.00	2.36	2.99	3.15	3.63	3.74	3.82	4.69	5.00	5.90	6.77
Part No.	Manufacturer	Product No.	Voltage (VDC)	Size mm (W x H x D)	Air Flow (CFM)	Bearing	Current (mA)	Power (Watts)	Agency Approvals	Noise (dBA)	Connection (Leads)	Pricing											
												1	10	50	100								
123530	Adda	AD0812MS-A70GL	12	80 x 80 x 25	32	Sleeve	150	1.8	UL/CSA/TUV	28.3	12"	\$7.95	\$6.95	\$5.95	\$4.95								
1950147	Sunon	KD1208PTB2(2)HM	12	80 x 80 x 25	36	Ball	160	2.1	UL/CE/TUV	29	11" ¹	7.95	6.95	5.95	4.95								
1810030	Sanyo Denki	9A0812H401	12	80 x 80 x 25	36.4	Ball	130	1.56	UL/CSA/TUV	29	12" ¹	9.95	8.95	7.95	6.95								
1537387	Sunon	KD1208PTB213.(2).GN	12	80 x 80 x 25	37	Ball	110	1.3	UL/CUL/TUV/CE	32	11.5" w/ conn	10.95	9.95	8.95	8.49								
1928038	Adda	AD0812HS-A70GL	12	80 x 80 x 25	38.6	Sleeve	250	3.0	UL/CSA/TUV/CE	34.4	12"	6.95	5.95	4.95	3.95								
1928100	Adda	AD0812HX-A70GL	12	80 x 80 x 25	38.6	Hydro wave	250	3.0	UL/CSA/TUV/CE	34	12"	6.95	5.95	4.95	3.95								
662661	NMB-NAT	FBA08A12H1BS	12	80 x 80 x 25	39.6	Hydro wave	173	2.1	UL/CSA/TUV	32	12" ²	7.95	6.95	5.49	4.49								
1585477	Sunon	KD1208PTS1-13	12	80 x 80 x 25	40	Sleeve	160	1.90	UL/CUL/TUV/CE	33	12"	6.95	5.95	4.95	3.95								
1950569	Sunon	KD1208PTS1 H.M	12	80 x 80 x 25	40	Sleeve	160	2.6	UL/CE	33	12" ¹	5.95	4.95	3.95	2.95								
1810021	Sunon	KDE1208PTV1.13.MS.A	12	80 x 80 x 25	40	Vapo	160	1.9	UL/CUL/TUV/CE	33	12"	6.95	5.95	4.95	3.95								
1708490	Sunon	KDE1208PTB1-13.MS(2)A	12	80 x 80 x 25	41	Vapo	150	1.8	UL/CUL/TUV/CE	35	12"	7.95	6.95	5.95	4.95								
206181	Sunon	KDE1208PTS1-6	12	80 x 80 x 25	42	Sleeve	220	2.6	UL/CSA/TUV/CE	34	9"	7.15	6.47	5.82	5.22								
355400	JamecoRP	JR-DCF-128025B1	12	80 x 80 x 25	42	Ball	230	2.8	UL/CUL/TUV/CE	28.6	11.5"	6.95	5.95	4.95	4.25								
355401	JamecoRP	JR-DCF-128025B1	12	80 x 80 x 25	42	Ball	230	2.8	UL/CUL/TUV/CE	28.6	11.5"	8.49	6.49	5.95	4.45								
1810110	Sunon	KDE1208PTB1-6A	12	80 x 80 x 25	42.5	Ball	190	2.3	UL/CUL/TUV/CE	36.5	10" ²	8.95	7.95	6.95	5.95								
1918729	Jamicon	JF0825S1SR	12	80 x 80 x 25	45.5	Sleeve	260	3.12	UL/CUL/TUV/CE	35.8	12" w/ conn	6.95	5.95	4.95	3.95								
323897	Mechatronics	F8025E12B1	12	80 x 80 x 25	46	Ball	240	2.8	UL/CUL/TUV	32	4" ¹	7.69	5.59	5.26	4.90								
421526	Panasonic	FBA08A12U-1AZ	12	80 x 80 x 25	47	Sleeve	360	4.32	UL/CSA	38.2	11"	6.95	5.95	4.95	3.95								
1809995	Sunon	KDE1208PTB-6A(318)	12	80 x 80 x 25	50.6	Ball	360	4.3	UL/CUL/TUV/CE	40.5	12"	7.95	6.95	5.95	4.95								
1951166	Nidec	TA350DC-M33416-16	12	92 x 92 x 25	28	Ball	110	1.32	UL/CSA	19.5	11"	9.95	8.95	7.95	6.95								
1928089	Adda	AD0912LS-A70GL	12	92 x 92 x 25	32.4	Sleeve	130	1.6	UL/CUL/TUV/CE	23.5	12"	9.95	8.95	7.95	6.95								
1952783	Nidec	TA350DC-M34138-34	12	92 x 92 x 25	35	Ball	160	1.92	UL/CSA	26.4	10" w/ conn ⁵	9.95	8.95	7.95	6.95								
1952257	AVC	C9025S12L	12	92 x 92 x 25	37.2	Sleeve	150	1.8	UL/CUL/TUV/CE	26.2	5.5" ¹	9.95	8.95	7.95	6.95								
1928097	Adda	AD0912LX-A70GL	12	92 x 92 x 25	37.9	Hypro	120	1.44	UL/CUL/TUV/CE	26.5	12"	9.95	8.95	7.95	6.95								
1928003	Adda	AD0912MB-A71GL	12	92 x 92 x 25	44.2	Ball	170	2.0	UL/CUL/TUV/CE	32.7	12"	10.95	9.95	8.95	7.95								
154641	Nidec	TA350DC-M33422-16	12	92 x 92 x 25	48	Ball	290	3.5	UL/CSA	43	12"	9.95	8.95	7.95	6.95								
1952880	Nidec	TA350DC-M33422-57G4	12	92 x 92 x 25	48	Ball	290	3.48	UL/CSA	35	10" w/ conn ³	8.95	7.95	6.95	5.95								
1952935	Sunon	KD1209FTB2-6	12	92 x 92 x 25	48	Dual Ball	160	2.1	UL/CSA/TUV/CE	32	25" w/ conn ³	10.95	9.95	8.95	7.95								
190984	Sunon	KD1209PTB1-6A	12	92 x 92 x 25	51	Ball	220	2.6	UL/CSA/TUV	34	12"	8.45	7.43	6.93	5.20								
1952767	NMB	3610KL-04W-B56PS9	12	92 x 92 x 25	54.7	Ball	315	3.8	UL/CSA/TUV/CE	41	7" w/ conn ⁶	7.95	6.95	5.95	4.95								
1952951	NMB	3610KL-04W-B56PS6	12	92 x 92 x 25	55	Ball	315	3.8	UL/CSA/TUV/CE	41	9" w/ conn ²	7.95	6.95	5.95	4.95								
162739	NMB (Smart Fan)	3610KL-04W-B56	12	92 x 92 x 25	55	Ball	430	3.8	UL/CSA/DE/CE	37	10" ³	7.95	7.16	5.72	4.29								
102963	Nidec	TA350DC-M33503-55	12	92 x 92 x 25	56	Ball	400	4.8	UL/CSA	45	8"	7.95	6.95	5.95	4.95								
1776281	Delta	AFB0912HH	12	92 x 92 x 25	57.9	Ball	250	3.0	UL/CSA/DE/CE	38	12"	13.75	9.09	8.59	8.26								
1951481	Delta/Dell	AFC0912DE-U4218	12	92 x 92 x 38	160	Dual Ball	2500	30	UL/CSA/TUV/CE	63	10" w/ conn ⁵	14.95	13.49	11.95	10.95								
171410	Common Wealth	FP108MS3	12	120 x 120 x 25	54	Sleeve	140	1.7	UL/CSA/TUV/CE	25	12"	8.95	7.95	6.95	5.95								
689231	Sunon	KDE1212PTS3-6A	12	120 x 120 x 25	67	Sleeve	200	2.4	UL/CUL/TUV/CE	35	12"	10.95	9.95	8.95	7.95								
227901	Common Wealth	FP-108M-S1-B	12	120 x 120 x 25	80	Ball	330	4.0	UL/CSA/DE/CE	42	12"	15.09	12.99	12.32	11.61								
363848	Mechatronics	E1225H12B	12	120 x 120 x 25	82	Ball	385	4.62	UL/CUL/TUV	40	3.5"	10.95	9.95	8.95	7.95								
1928020	Adda	AD1212HB-A71GL	12	120 x 120 x 25	85.2	Ball	370	4.5	UL/CUL/TUV/CE	39.1	12"	12.95	11.95	10.95	9.95								
68956	Sunon	KDE1212PTB1-6A	12	120 x 120 x 25	90	Ball	400	4.8	UL/CUL/TUV/CE	44.5	12" w/ conn	13.95	12.95	10.95	8.95								
1952231	Turbofan	TA1225E12BS	12	120 x 120 x 25	93	Ball	580	7.0	UL/CSA/TUV	44	13"	10.95	9.95	8.95	7.95								
1537133	Delta	WFB1212HH	12	120 x 120 x 25	95.4	Ball	610	7.3	UL/CSA/CE	42.5	4" w/ conn	9.95	8.95	7.95	6.95								
1928011	Adda	AD1212US-A71GL	12	120 x 120 x 25	98.6	Sleeve	500	6.0	UL/CUL/TUV/CE	39.1	12"	10.95	9.95	8.95	6.95								
1951431	Elina	HDF1225L-12HHB	12	120 x 120 x 25	106	Ball	580	7.0	UL/CUL/TUV	52	11"	10.95	9.95	8.95	7.95								
1537221	Sunon	KDE1212PMB3-6A	12	120 x 120 x 38	84	Ball	570	6.8	UL/CUL/CE	42	12" w/ conn	13.95	12.95	11.95	10.95								
1585389	Japan Servo	CNDC12B4C-016	12	120 x 120 x 38	99	Ball	380	4.6	UL/CSA/TUV	40	12"	11.95	10.95	9.95	8.95								
686516	Adda	AD1212HB-F51	12	120 x 120 x 38	104.8	Ball	500	6	UL/CUL/CSA/TUV/CE	42.8	11" w/ conn	13.95	12.95	11.95	10.95								
1580271	EBM PABST	4182NX-12	12	120 x 120 x 38	106	Ball	380	4.5	UL/CSA/DE	49	Terminal ¹	14.95	13.49	11.95	10.95								
94626	Sunon	KD1212PMB1-6A	12	120 x 120 x 38	108	Ball	570	6.8	UL/CUL/TUV/CE	42	12"	15.95	14.49	12.95	11.49								
1952791	NMB	4715KL-04W-B46	12	120 x 120 x 38	118	Ball	900	8.4	UL/CSA/TUV/CE	47	6" w/ conn ²	11.95	10.95	9.95	8.95								
1951318	Nidec	VA450DC-35625-35	12	120 x 120 x 38	230	Ball	360	4.3	—	47	11" ^{1,2}	15.95	14.49	12.95	11.49								
1537467	Cornair	JQ12B7X	12	172 x 150 x 51	235	Ball	2260	25.2	UL/CSA/TUV/CE	54.3	12" ²	29.95	26.95	23.95	19.95								
1928281	Adda	AD0424HB-G70	24	40 x 40 x 10	6.7	Ball	90	2.16	UL/CUL/TUV/CE	25	10"	11.95	10.95	9.95	8.95								
1951473	Delta	AFB0424MD	24	40 x 40 x 20	7.0	Ball	60	1.44	UL/CSA/TUV/CE	30	2" w/ conn	8.95	7.95	6.95	5.95								
1776290	Delta	EFB0424HD	24	40 x 40 x 20	8.5	Ball	60	1.44	UL/CSA/DE/CE	28.5	13"	10.95	9.95	8.95	7.95								
1928281	Adda	AD0424HB-G70	24	40 x 40 x 10	6.7	Ball	90	2.16	UL/CUL/TUV/CE	25	10"	11.95	10.95	9.95	8.95								
1951473	Delta	AFB0424MD	24	40 x 40 x 20	7.0	Ball	60	1.44	UL/CSA/TUV/CE	30	2" w/ conn	8.95	7.95	6.95	5.95								
1776290	Delta	EFB0424HD	24	40 x 40 x 20	8.5	Ball	60	1.44	UL/CSA/DE/CE	28.5	13"	10.95	9.95	8.95	7.95								
1951502	Adda	AD0424HB-C56	24	40 x 40 x 20	10.1	Ball	90	2.16	UL/CUL/TUV/CE	31.9	12" ¹	12.95	11.95	10.95	9.95								

DC Brushless Fans, Fan Guards and Filters

3 LEVELS OF SAVINGS
FRANCHISE SOURCED
GENERIC HOUSE BRANDS
FACTORY OVERRUN

Call for additional OEM PRICING – we carry major manufacturers.



686516



1537467

NEW
MARKED IN PINK

★24V Web Code: QEF

DC Brushless Fans (Continued)



MM to Inches Conversion Chart

★48V Web Code: MAJ



662653



1951465

MM	6.8	10	15	20	25	28	30	32	35	38	40	45	51	60	76	80	92	95	97	120	127	150	172
Inches	0.27	0.40	0.60	0.80	1.00	1.10	1.18	1.26	1.40	1.50	1.60	1.80	2.00	2.36	2.99	3.15	3.63	3.74	3.82	4.69	5.00	5.90	6.77

Part Number	Manufacturer	Product Number	Voltage (VDC)	Size mm (W x H x D)	Air Flow (CFM)	Bearing	Current (mA)	Power (Watts)	Agency Approvals	Noise (dBA)	Connection (Leads)	Pricing			
												1	10	50	100
1708422	Sunon	KDE2406PHS3	24	60 x 60 x 15	15	Sleeve	50	1.2	UL/CUL/TUV/CE	31	12"	\$7.95	\$6.95	\$5.95	\$4.95
687818	Sunon	KDE2406PHB3	24	60 x 60 x 15	15.2	Ball	50	1.2	UL/CUL/TUV	26.5	11"	8.95	7.95	6.95	5.95
1951191	Sunon	KDE2406PKV2MS.AGN	24	60 x 60 x 20	18.5	Vapo	90	1.1	UL/CE	27.5	11"	6.95	6.25	5.59	4.95
189861	Jamicon	JF0625B2M	24	60 x 60 x 25	18	Ball	130	3.1	UL/CSA/TUV/CE	28.5	10"	9.19	8.07	7.24	6.11
174108	Jamicon	JF0625S2M	24	60 x 60 x 25	18	Sleeve	130	3.1	UL/TUV	28.5	10"	6.95	6.25	5.59	4.95
1952177	Japan Servo	TUDC42S4P-029	24	60 x 60 x 25	19	Ball	80	1.8	UL/CSA/TUV	32	12" 2	8.95	7.95	6.95	5.95
1928337	Adda	AD0824HX-A70GL	24	60 x 60 x 25	23.2	Hypro	150	3.6	UL/CSA/TUV/CE	32.3	12"	7.95	6.95	5.95	4.95
227248	Mechatronics	F6025E24B	24	60 x 60 x 25	24	Ball	125	3.0	UL/CUL/TUV	36	12"	7.95	6.95	5.95	4.95
1928071	Adda	AD0624HB-A70GL	24	60 x 60 x 25	24	Ball	150	3.6	UL/CSA/TUV/CE	33.9	12"	7.95	6.95	5.95	4.95
1809848	Sunon	PMD2406PTB1-A	24	60 x 60 x 25	35.8	Ball	220	5.3	UL/CUL/TUV/CE	48.8	12"	9.95	8.95	7.95	6.95
1928345	Adda	AD0824HX-D71L	24	80 x 80 x 15	29	Hypro	130	3.12	UL/CUL/TUV/CE	33.5	12"	11.95	10.95	9.95	8.95
1809864	Sunon	PMD2408PMB1-A	24	80 x 80 x 25	24	Ball	400	9.6	UL/CUL/TUV	55.2	12"	8.95	7.95	6.95	5.95
687797	Sunon	KDE2408PTS3-6	24	80 x 80 x 25	29.4	Sleeve	60	1.5	UL/CE/TUV	24.5	4" w/ conn.	7.95	6.95	5.95	4.95
290029	Jamicon	JF0825B2M	24	80 x 80 x 25	31.7	Ball	130	3.1	UL/CUL/TUV/CE	29.3	10"	8.95	7.95	6.95	5.95
662653	PanaFlo	FB08A24M1A	24	80 x 80 x 25	32.1	Sleeve	100	2.4	UL/CSA	28	11.5"	8.95	7.95	6.95	5.95
136161	Jamicon	JF0825B2H	24	80 x 80 x 25	39.2	Ball	150	3.6	UL/CSA/TUV	31	12"	9.59	8.64	7.77	5.83
1809952	Sunon	KDE2408PTB1-6A	24	80 x 80 x 25	42.5	Ball	110	2.6	UL/CUL/TUV/CE	36.5	12"	10.95	9.95	8.95	7.95
1928388	Adda	AD0824UB-A72GL	24	80 x 80 x 25	50	Ball	260	6.24	UL/CUL/CE	41	12" 2	10.95	9.95	8.95	7.95
1581071	Pabst	B124K	24	80 x 80 x 38	35	Ball	125	3.0	UL	39	12"	19.95	17.95	15.95	13.95
1951051	Mechatronics	E9225L24B1-FS	24	92 x 92 x 25	35	Ball	85	2.04	UL/CUL	27	12" 1	9.95	8.95	7.95	6.95
1708502	Sunon	KDE2405PTS3-6	24	92 x 92 x 25	39	Sleeve	112	2.7	UL/CUL/TUV/CE	27	12"	8.95	7.95	6.95	5.95
1928329	Adda	AD0924HX-A70GL	24	92 x 92 x 25	50	Hypro	150	3.6	UL/CUL/TUV/CE	33.7	12"	8.95	7.95	6.95	5.95
695042	Sunon	KDE2409PTB1-6	24	92 x 92 x 25	51	Ball	140	3.4	UL/CE/TUV	37	12"	9.95	8.95	7.95	6.95
1928302	Adda	AD0924US-A71GL	24	92 x 92 x 25	57.8	Sleeve	210	5.04	UL/CUL/TUV/CE	38.6	12"	8.95	7.95	6.95	5.95
1951465	Delta	FFB0924VHE	24	92 x 92 x 38	85	Ball	280	6.7	UL/CSA/DE/CE	47	12"	10.95	9.95	8.95	7.95
1809881	Sunon	KD2412PTB1-6A	24	120 x 120 x 25	90	Ball	220	5.3	UL/CUL/TUV/CE	44.5	12"	12.95	11.95	10.95	9.95
1951115	Nidec	TA450DC-A34350-16	24	120 x 120 x 25	92	Ball	180	4.32	UL/CSA	40.4	10"	10.95	9.95	8.95	7.95
1708537	Sunon	KDE2412PMS3-6A	24	120 x 120 x 38	83	Sleeve	160	4	UL/CUL/TUV/CE	34	12"	12.95	11.95	10.95	9.95
694516	Jamicon	JF1238B2L130-065R	24	120 x 120 x 38	84.5	Ball	130	3.12	UL/CSA/TUV/CE	33.8	9.5"	17.95	15.95	13.95	11.95
153411	Sunon	KD2412PMB2-6A	24	120 x 120 x 38	98	Ball	230	5.5	UL/CSA/TUV	36.5	12"	15.95	13.95	11.95	10.95
694444	Jamicon	JF1238B2MR130-065R	24	120 x 120 x 38	101.3	Sleeve	220	5.28	UL/CSA/TUV/CE	39.1	9.5"	13.95	12.49	11.49	9.95
694524	Jamicon	JF1238B2MR130-065R	24	120 x 120 x 38	101.3	Ball	220	5.28	UL/CSA/TUV/CE	39.1	9.5"	17.95	15.95	13.95	11.95
694532	Jamicon	JF1238B2HR130-065R	24	120 x 120 x 38	118.7	Ball	310	7.44	UL/CSA/TUV/CE	43.8	9.5"	18.95	16.95	14.95	12.95
1809910	Sunon	KD2412PMSX-6A	24	120 x 120 x 38	119	Sleeve	300	7.2	UL/CUL/TUV/CE	45	12"	14.95	13.95	12.95	11.95
1951203	Sunon	PSD2412PMB1(2)	24	120 x 120 x 38	200	Ball	800	19.2	UL/CE/TUV	62	12"	19.95	17.95	15.95	13.95
1951457	Delta	EFB1248HHF	48	120 x 120 x 32	120	Ball	140	6.72	UL/CSA/TUV/CE	50.5	6" w/ conn.	17.95	15.95	13.95	11.95
1952775	Orion	OD1232-48HB	48	120 x 120 x 32	120	Ball	180	8.6	UL/TUV/CE	51	12" 5	19.95	17.95	15.95	13.95
1952960	Comair Rotron	MC48B6QDNX	48	120 x 120 x 32	102	Ball	180	8.4	UL/CSA/TUV/CE	48	11" w/ conn. 1	15.95	13.95	11.95	10.95
1951242	Delta	FFB1248EHE	48	120 x 120 x 38	190	Ball	500	24	UL/CSA/TUV/CE	59	12"	17.95	15.95	13.95	11.95
689063	EBM PABST	W2G115-AG75-85	48	127 x 127 x 38	155	Ball	310	15	UL/CUL	52	10" 1	19.95	17.95	15.95	13.95

1 3 leads; speed sensor 2 3 leads; locked rotor protection 3 3 leads; temperature sensor 4 3 leads; thermistor speed control

Blue Part No. = Limited Quantity Available

5 4 Leads wired for Dell proprietary PWM circuit control w/ tach (blue), lock rotor (yellow) & fan guard (These functions are optional, if needed)

Fan Guards & Aluminum Washable Filters

★Web Code: UAR

Guards and filters fit all fans. Please match by size dimension.

Example: P/N 300557 fan (80mm) matches P/N 31923 metal guard (80mm).

Part No.	MM	Description	Fig.	1	25	50	100
123502	40	Metal (chrome) guard	1	\$.53	\$.49	\$.45	\$.41
120037	60	Metal (chrome) guard	1	.53	.49	.45	.41
687666	60	Metal (black anodized) guard	2	.79	.69	.65	.59
31923	80	Metal (chrome) guard	1	.69	.65	.59	.55
1928433	80	Metal (black anodized) guard	2	.79	.69	.65	.59
123511	92	Metal (chrome) guard	1	.75	.69	.65	.59
25734	120	Metal (chrome) guard	1	.79	.75	.69	.65
695068	120	Metal (blk anodized) guard	2	1.09	.99	.89	.79
695076	127	Metal (chrome) guard	1	1.75	1.49	1.25	.99
1811198	172	Metal (chrome) guard	1	1.75	1.49	1.25	.99
1952644	40	Plastic guard only	3	.55	.49	.43	.39
1952652	60	Plastic guard only	3	.65	.59	.55	.49
1952290	80	Plastic guard only	3	.79	.69	.59	.55

Part No.	MM	Description	Fig.	1	25	50	100
1952661	92	Plastic guard only	3	\$.79	\$.69	\$.62	\$.56
1952679	120	Plastic guard only	3	.89	.83	.75	.69
1952687	150	Plastic guard only	3	1.49	1.39	1.29	1.19
1952695	40	Plastic guard w/ mesh	4	1.29	1.19	1.09	.99
1952708	60	Plastic guard w/ mesh	4	1.49	1.39	1.25	1.19
138562	80	Plastic guard w/ mesh	4	1.65	1.49	1.39	1.29
229665	92	Plastic guard w/ mesh	4	1.95	1.75	1.59	1.49
196817	120	Plastic guard w/ mesh	4	2.19	2.09	1.95	1.79
1952716	172	Plastic guard w/ mesh	4	2.79	2.49	2.29	2.19
1952724	60	Alum. washable filter	5	3.19	2.95	2.69	2.49
138579	80	Alum. washable filter	5	2.95	2.79	2.49	2.29
1952732	92	Alum. washable filter	5	3.39	3.09	2.89	2.69
130105	120	Alum. washable filter	5	3.69	3.49	3.19	2.95

Fig. 1



Fig. 2

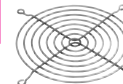


Fig. 3



Fig. 4

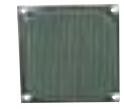


Fig. 5

*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product

This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Details on page 159.



212600

NEW
 MARKED IN PINK



275793



AC Tube Axial Fans

Blue Part No. = Limited Quantity Available

***Web Code: ABJ**



206309



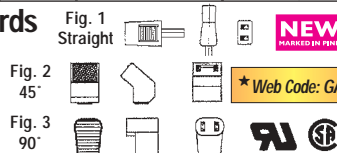
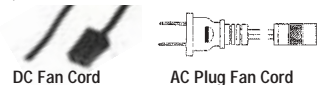
209365

MM to Inches Conversion Chart

MM	6.8	10	15	20	25	28	30	32	35	38	40	45	51	60	76	80	92	95	97	120	127	150	172
Inches	0.27	0.40	0.60	0.80	1.00	1.10	1.18	1.26	1.40	1.50	1.60	1.80	2.00	2.36	2.99	3.15	3.63	3.74	3.82	4.69	5.00	5.90	6.77

Part Number	Manufacturer	Product Number	Voltage (VAC)	Size mm (W x H x D)	Air Flow (CFM)	Bearing	Current (mA)	Power (Watts)	Agency Approvals	Noise (dBA)	Connection	Pricing			
												1	10	50	100
213867	Fulltech	UF60D11BWH	115	60 x 60 x 30	10.2	Ball	35	4	UL/CUL/VDE/CE	28	12" leads	\$16.95	\$15.95	\$14.95	\$12.95
162704	Toyoko	USTF60301153W	115	60 x 60 x 30	11	Ball	38	4	UL/CSA/CE	29	12" leads	17.95	16.49	14.95	13.64
1951369	Sunon	SF11580AT-1082HSL	115	80 x 80 x 25	21	Sleeve	120	12	UL/CSA/TUV	31	12" leads	10.95	9.95	8.95	7.95
146078	Common Wealth	FP108AX-S1-B	115	80 x 80 x 25	23	Ball	140	14	UL/CE	29	12" leads	13.99	12.99	11.99	10.99
300557	Fulltech	UF80B11SWH	115	80 x 80 x 25	24	Sleeve	140	14	UL/CUL/TUV/CE	35	12" leads	11.95	10.95	9.95	8.95
300258	Fulltech	UF80B11BTH	115	80 x 80 x 25	24	Ball	140	14	UL/CUL/TUV/CE	35	Terminals	11.79	10.58	10.39	9.87
300582	Fulltech	UF80A11SWL	115	80 x 80 x 38	25	Sleeve	110	12	UL/CUL/TUV/CE	32	12" leads	11.49	9.03	8.57	8.15
300303	Fulltech	UF80A11BWL	115	80 x 80 x 38	25	Ball	110	11	UL/CUL/TUV/CE	32	12" leads	15.95	14.39	12.95	11.65
300329	Fulltech	UF80A11BTL	115	80 x 80 x 38	25	Ball	110	12	UL/CUL/TUV/CE	32	Terminals	14.19	12.52	12.11	11.71
300600	Fulltech	UF80A11BWH	115	80 x 80 x 38	29	Ball	120	12	UL/CUL/TUV/CE	36	12" leads	16.95	14.95	13.49	11.95
1950155	Sunon	SF11580A-1083HSL-GN	115	80 x 80 x 38	30	Sleeve	150	13	UL/CE/TUV	33	24" leads	13.95	12.49	10.95	9.95
300389	Fulltech	UF80A11BTH	115	80 x 80 x 38	30	Ball	120	12	UL/CUL/TUV/CE	36	Terminals	11.79	10.58	10.39	9.87
75433	Sunon	SF11592A-1092HSL	115	92 x 92 x 25	36	Sleeve	130	12	UL/CSA/TUV/CE	39	12" leads	16.95	14.95	13.49	11.95
303467	Sunon	SF11592A-1092HBL	115	92 x 92 x 25	37	Ball	110	12	UL/CSA/TUV/CE	40	12" leads	17.95	15.95	14.49	12.95
75460	Sunon	SF11592A-1092H	115	92 x 92 x 25	37	Ball	110	12	UL/CSA/TUV/CE	40	Terminals	18.95	16.95	15.49	13.95
1810048	Sunon	SP101AT-1122HBL-GN	115	120 x 120 x 25	78	Ball	180	18	UL/CUL/TUV/CE	46	12" leads	13.95	12.49	10.95	9.95
124063	Sunon	SP101AT-1122HBT	115	120 x 120 x 25	78	Ball	180	18	CSA/TUV/CE	46	Terminals	14.95	13.49	11.95	10.95
303361	Fulltech	UF12A11BTL1	115	120 x 120 x 38	64	Ball	80	15	UL/CUL/TUV/CE	37	Terminals	13.89	12.46	11.62	11.05
1918796	Jamicon	KA1238L180AO-T	115	120 x 120 x 38	78	Ball	200	12	UL/CUL/CE	38	Terminals	12.95	11.49	10.49	9.49
1585371	Sunon	SP103A-1123LBL	115	120 x 120 x 38	78	Ball	130	11	UL/CSA/TUV	39	6" w/ conn.	9.95	8.95	7.95	6.95
300792	Fulltech	UF12A11STL	115	120 x 120 x 38	81	Sleeve	150	15	UL/CUL/TUV/CE	38	Terminals	12.95	11.49	10.49	9.49
303482	Fulltech	UF12A11SWL	115	120 x 120 x 38	82	Sleeve	150	12	UL/CUL/TUV/CE	38	12" leads	12.95	11.49	10.49	9.49
695498	Comair	028021 (MU2A1)	115	120 x 120 x 38	105	Sleeve	160	14	UL/CSA	45.1	Terminals	33.95	30.95	29.95	28.95
111895	Common Wealth	FP108-1-S1/W	115	120 x 120 x 38	105	Sleeve	180	17	UL/CSA/CE	47	12" leads	13.95	12.49	10.95	9.95
106586	Common Wealth	FP108-1-S1/T	115	120 x 120 x 38	105	Sleeve	180	12	UL/CSA/CE	47	Terminals	14.95	13.49	11.95	10.95
303415	Common Wealth	FP108-1-S1-B/W	115	120 x 120 x 38	105	Ball	200	17	UL/CSA/TUV/CE	47	12" leads	16.95	14.95	13.95	11.95
16935	Common Wealth	FP108-1-S1-B	115	120 x 120 x 38	105	Ball	200	17	UL/CSA/TUV/CE	47	Terminals	16.95	14.95	13.95	11.95
1707163	Sunon	SP101A-1123HBL-GN	115	120 x 120 x 38	107	Ball	180	18	UL/CSA/TUV	50	12" leads	15.95	14.39	12.95	11.49
275793	Sunon	SP101A-1123HBT	115	120 x 120 x 38	107	Ball	180	18	UL/CUL/CE	50	Terminals	15.95	14.49	12.95	11.49
206309	Adda	AA1281UB-AT	115	120 x 120 x 38	107	Ball	230	24	UL/CUL/CE	48	Terminals	15.95	14.49	12.95	11.49
212600	Fulltech	UF12A11BWH	115	120 x 120 x 38	106	Ball	190	15	UL/CUL/TUV/CE	46	12" leads	15.95	14.49	12.95	11.49
1918770	Jamicon	KA1238H1B110-T	115	120 x 120 x 38	110	Ball	300	24	UL/CUL/CE	45	Terminals	11.49	10.49	9.49	8.49
303408	Sunon	SP100A-1123XBL	115	120 x 120 x 38	117	Ball	240	20	UL/CSA/TUV/CE	47	12" leads	16.95	14.95	13.49	11.95
1585320	Sunon	A1123HBL	115	120 x 120 x 38	117	Ball	250	20	UL/CUL/TUV	50	17" leads	14.95	13.49	11.95	10.95
102884	Sunon	SP100A-1123XBT	115	120 x 120 x 38	117	Ball	240	20	UL/CUL/TUV/CE	50	Terminals	17.95	15.95	13.95	12.49
108725	Fulltech	UF15AC11BTH	115	172 x 150 x 38	211	Ball	230	28	UL/CUL/TUV/CE	58	Terminals	40.15	38.88	34.16	25.62
212572	Fulltech	UF15PC11BWL	115	172 x 150 x 51	113	Ball	260	30	UL/CUL/TUV/CE	41	12" leads	25.95	23.95	21.95	19.95
212582	Fulltech	UF15PC11BWH	115	172 x 150 x 51	226	Ball	250	30	UL/CUL/TUV/CE	58	12" leads	29.95	26.95	23.95	21.95
189684	Fulltech	UF15PC12BTH	115	172 x 150 x 51	226	Ball	250	30	CSA	58	Terminals	32.95	29.95	26.95	23.95
189684	Fulltech	UF15PC12BTH	115	172 x 150 x 51	226	Ball	250	30	CSA	58	Terminals	32.95	29.95	26.95	23.95
1950956	Artic	KEST-481BW	115	172 x 150 x 51	260	Ball	620	46	UL/CE/TUV	61	12" leads	32.95	29.95	26.95	23.95
695527	Comair	028254 (PT2B3)	115	172 x 150 x 51	550	Ball	480	34	UL/CSA/TUV/CE	49.2	24"	69.95	65.95	63.95	59.95
1810128	Common Wealth	FP-108AX-S1-B	220	80 x 80 x 25	21	Ball	120	13	UL/CSA/TUV/CE	29	13" leads	15.95	14.39	12.95	11.65
100918	Sunon	SF23080A/2083HSL	220	80 x 80 x 38	30	Sleeve	60	13.5	UL/CSA/TUV/CE	35	12" leads	16.95	14.95	13.49	11.95
355630	Fulltech	UF-80A23-BTH-R	220	80 x 80 x 38	30	Ball	60	12	UL/CSA/VDE/CE	36	Terminals	17.95	15.95	13.95	12.49
209365	Bi-Sonic	4C-230LB	220	120 x 120 x 38	63	Ball	60	9	TUV/CE	34	10" leads	13.95	12.49	10.95	9.95
1918753	Jamicon	KA1238H2B01	220	120 x 120 x 38	82	Ball	200	23	UL/CUL/TUV/CE	42	Terminals	13.95	12.49	10.95	9.95
302244	Comair	28023	220	120 x 120 x 38	88	Ball	130	28.6	UL/CSA	50.7	Terminals	16.95	14.95	13.49	11.95
1918761	Jamicon	KA1238H2B12	220	120 x 120 x 38	110	Ball	200	24	UL/CUL/TUV/CE	45	Terminals	12.95	11.95	10.95	9.95
1585346	Sunon	A2123-HBL	220	120 x 120 x 38	117	Ball	120	20	UL/CUL/TUV	50	17" leads	14.95	13.95	12.95	11.95
1585338	Sunon	A2123-HBT	220	120 x 120 x 38	117	Ball	120	20	UL/CUL/TUV	50	Terminals	12.95	11.95	10.95	9.95
303459	Sunon	DP200A-2123XBL	220	120 x 120 x 38	117	Ball	120	21	UL/CSA/TUV/CE	50	12" leads	15.95	14.39	12.95	11.65
102892	Sunon	DP200A-2123XBT	220	120 x 120 x 38	117	Ball	120	21	UL/CSA/TUV/CE	50	Terminals	15.95	14.39	12.95	11.65
1809872	Sunon	A2175-HBT	220	172 x 150 x 51	239	Ball	110	25	UL/TUV/CE	51	Terminals	29.95	26.95	23.95	19.95
1950964	Artic	KEST-482BW	220	172 x 150 x 51	256	Ball	400	58	UL/TUV/CE	58	12" leads	32.95	29.95	26.95	23.95

DC & AC Plug Fan Power Cords (For Fans w/ Terminal Connection)



Part No.	Description	Fig.	Length	1	10	100	250
28564	Straight DC fan cord	1	24"	\$1.35	\$1.29	\$1.04	\$0.91
1952548	45° DC fan cord	2	24"	1.09	.99	.82	.79
1952564	90° DC fan cord	3	24"	1.09	.99	.82	.79
1952572	Straight AC plug fan cord	1	72"	2.95	2.49	2.19	1.95
1952581	45° AC plug fan cord	2	72"	2.95	2.49	2.19	1.95

***For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above**

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. [Details on page 159.](#)

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For special versions and large quantities call us at 1-800-794-9100

30 to 65-Watt *Medical* Switching AC-to-DC Power Supplies



MPS-30

30-Watt Medical MPS-30 Series: Single Output

- Inrush current: 35A @ 120VAC
- Leakage current: 0.3mA @ 240V
- Working temperature range: -10°C - +50°C
- Three-year warranty
- Working temp.: -10°C to +60°C
- Weight: 0.3lbs.



MPS-65

45 & 65-Watt Medical MPS-45 & 65 Series: Single Output

- 100% full load burn-in test
- 2.9 watts/in³ max.
- Working temp.: -10°C to +60°C
- Inrush current: 20A @ 120VAC
- Soft-start circuit, limiting AC surge current
- Mating connector: P/N 104731, pg 60
- Mounting holes: 4.55"L x 2.55"W x 0.14"Dia.
- Three-year warranty
- Isolation voltage: 4000VAC
- Voltage adjustment: 10%
- Leakage current: 0.3mA @ 240V
- Line regulation: ±1.0%
- Load regulation: ±2.0%
- Size: 5.0"L x 3.0"W x 1.65"H
- Weight: 0.6 lbs.



* Web Code: JBK

Jameco Part No.	Manufacturer	Product No.	Output		Input (VAC @ Hz)	Ripple & Noise (mV p-p)*	Certification	Pricing		
			Voltage@Current (min-max)	Power				1	10	25
221006	Mean Well	MPS-30-24	+24V@0-1.2A	28.8W	88-264@47-63	240	UL/CUL/TUV/CE	\$29.95	\$26.95	\$19.95
221057	Mean Well	MPS-45-7.5	+7.5V@0-5.4A	40.5W	90-264@47-440	100	UL/CUL/TUV/CE	35.75	30.36	22.77
221145	Mean Well	MPS-65-7.5	+7.5V@0-8A	60.0W	90-264@47-440	100	UL/CUL/TUV/CE	40.25	36.20	32.58
221154	Mean Well	MPS-65-12	+12V@0-5.2A	62.4W	90-264@47-440	100	UL/CUL/TUV/CE	41.19	33.72	32.04
221162	Mean Well	MPS-65-13.5	+13.5V@0-4.7A	63.5W	90-264@47-440	100	UL/CUL/TUV/CE	29.95	26.95	23.95
221188	Mean Well	MPS-65-24	+24V@0-2.7A	64.8W	90-264@47-440	100	UL/CUL/TUV/CE	29.95	26.95	23.95

* Primary Output

Ultraminiature 5 to 20-Watt Power Supplies

- 100% full burn-in test
- Universal AC input/full range
- Three-year warranty (except P/N 300530)
- Ultra miniature size and lightweight
- UL/CUL/TUV/CE
- Short-circuit, overload, overvoltage, overtemperature protection
- No load consumption



NFM-05

NFM-10

5-Watt NFM-5000 Series

- Size: 2.28"L x 1.77"W x 0.75"H
- Inrush current: 25A @ 115VAC
- Pin-mount

10-Watt NFM-0100 Series

- Size: 2.56"L x 1.77"W x 0.87"H
- Inrush current: 25A @ 115VAC
- Pin-mount

15-Watt NFM-1500 Series

- Size: 2.76"L x 1.89"W x 0.87"H
- Inrush current: 30A @ 115VAC
- Pin-mount

20-Watt OFM-0200 Series

- Size: 3.5"L x 2.0"W x 0.8"H
- Cooling by free-air convection
- Inrush current: 25A @ 115VAC
- Two-year warranty
- Chassis-mount

20-Watt NFM-0200 Series

- Size: 3.0"L x 2.0"W x 0.76"H
- Inrush current: 30A @ 115VAC
- Mating connector: P/Ns 463435 & 463443, see web
- Chassis-mount



OFM-02

Jameco Part No.	Manufacturer	Product No.	Output		Load Regulation	Line Regulation	Ripple & Noise (mV p-p)	Pricing		
			Voltage@Current (min-max)	Power				1	10	25
694971	Mean Well	NFM-05-5	+5V@0-1A	5.0W	±1.5%	±1.0%	80	\$21.95	\$19.75	\$17.75
694989	Mean Well	NFM-05-12	+12V@0-0.42A	5.04W	±0.5%	±0.5%	150	21.95	19.75	17.75
695092	Mean Well	NFM-10-5	+5V@0-2A	10.0W	±1.0%	±1.0%	80	23.85	21.69	19.49
695121	Mean Well	NFM-10-24	+24V@0-0.42A	10.08W	±0.5%	±0.5%	240	23.85	21.69	19.95
695156	Mean Well	NFM-15-12	+12V@0-1.25A	15.0W	±0.5%	±0.5%	150	28.39	25.55	22.95
300530	Mean Well	OFM-0203	+15V@0-1.4A	20.0W	±1.0%	±0.3%	150	29.95	27.85	23.95
695199	Mean Well	NFM-20-5	+5V@0-4.4A	22.0W	±1.0%	±1.5%	80	32.75	29.45	21.95

* For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 159.

15 to 45W Open-Frame Switching AC-to-DC Power Supplies

15 to 45-Watt Open-Frame Power Supplies

NEW
MARKED IN PINK

Enclosed Power Supplies
on pages 99-105.

• 100% full burn-in test

• Universal AC input



PSA15



PS-25



PS-45



15 & 25-Watt PSA15 & PSA25 Series: Single & Triple Outputs

- Isolation voltage: 3,000VAC
- Inrush current: 30A @ 120VAC
- Voltage adjustment: 5% (PSA15 only)
- Working temperature: 0° to +40°C

• One-year warranty



25-Watt PS-25 & PD-25 Series: Single & Dual Outputs

- Inrush current: 40A @ 120VAC
- Working temp.: -10°C to +60°C
- Two-year warranty



35-Watt PS-35 Series: Single Outputs

- Short-circuit/overload/overvoltage protection
- Inrush current (typical): 23A/115VAC; 45A/230VAC
- Working temperature range: -20°C to 65°C
- Cooling by free air convection

• Two-year warranty



45-Watt PS-45, PD-45 & PT-45 Series: Single, Dual & Triple Outputs

- Voltage adjustment: 10%
- Inrush current: 20A @ 120VAC
- Working temp.: -10°C to +60°C
- Two-year warranty



45-Watt PSA45 Series: Triple Outputs

- Inrush current: 20A @ 120VAC
- Working temp.: 0° to +50°C
- Weight: 0.9 lbs.
- One-year warranty

For special versions and large quantities call us at 1-800-794-9100

FACTORY OVERRUNS — TAKE ADVANTAGE OF GREAT PRICING, SUPPLIES LIMITED

Jameco Part No.	Manufacturer	Product No.	Output		Input (VAC @ Hz)	Size Inches (LxWxH)	Mounting Holes (L"xW"xDia.")	Ripple & Noise (mV p-p)*	Load Reg. (%)	Line Reg. (%)	Certification	Pricing		
			Voltage@Current (min-max)	Power								1	10	25
229060	Phihong	PSA15LN3-120	+12V@0.1-25A	15.0W	90-264@47-63	4.33x1.57x0.91	4.0x1.26x0.16	120	2.0	1.0	UL/CUL/TUV/CE	\$19.55	\$17.77	\$16.80
230536	Phihong	PSA25L-301	+5V@0.2-2A; +12V@0.1-1A; -12V@0-0.3A	25.0W	90-264@47-63	4.33x1.57x0.91	3.7x2.08x0.14	50	2.0	1.0	UL/CUL/TUV/CE	25.15	22.63	20.31
212354	Mean Well	PS-25-5	+5V@0-5A	25.0W	85-264@47-63	4.2x2.4x1.1	3.7x2.08x0.14	80	2.0	0.5	UL/CUL/TUV/CE	22.95	20.55	18.59
392826	Mean Well	PS-25-7.5	+7.5V@0-3.3A	24.8W	85-264@47-63	4.2x2.4x1.1	3.7x2.08x0.14	80	2.0	0.5	UL/CUL/TUV/CE	22.95	20.55	18.59
148604	Mean Well	PS-25-12	+12V@0-2.1A	25.2W	85-264@47-63	4.2x2.4x1.1	3.7x2.08x0.14	100	2.0	0.3	UL/CUL/TUV/CE	22.95	20.55	18.59
216769	Mean Well	PS-25-15	+15V@0-1.7A	25.5W	85-264@47-63	4.2x2.4x1.1	3.7x2.08x0.14	100	2.0	0.3	UL/CUL/TUV/CE	22.95	20.55	18.59
212346	Mean Well	PS-25-24	+24V@0-1A	24.0W	85-264@47-63	4.2x2.4x1.1	3.7x2.08x0.14	240	2.0	0.2	UL/CUL/TUV/CE	22.95	20.55	18.59
212312	Mean Well	PD-2505	+5V@0.1-3A; -5V@0.1-2.5A	25.0W	85-264@47-63	4.2x2.4x1.1	3.7x2.08x0.14	50	4.0	1.0	UL/CUL/TUV/CE	22.95	19.95	17.95
212338	Mean Well	PD-25A	+5V@0.2-2.5A; +12V@0.1-1.5A	25.0W	85-264@47-63	4.2x2.4x1.1	3.7x2.08x0.14	50	1.0	0.5	UL/CUL/TUV/CE	22.35	21.50	15.95
212330	Mean Well	PD-25B	+5V@0.2-2A; +24V@0.1-1A	25.2W	85-264@47-63	4.2x2.4x1.1	3.7x2.08x0.14	50	1.0	0.5	UL/CUL/TUV/CE	20.69	19.95	18.31
148690	Mean Well	PD-2512	+12V@0.1-1.2A; -12V@0.1-1A	24.0W	85-264@47-63	4.2x2.4x1.1	3.7x2.08x0.14	50	3.0	0.5	UL/CUL/TUV/CE	24.85	22.99	19.99
1918972	Mean Well	PS-35-5	+5V @ 0-6.0A	30.0W	90-264@47-440	4.0x2.0x0.94	3.75x1.75x0.13	100	1.0	0.5	UL/CUL/TUV/CE/CB	26.95	23.95	21.95
1919019	Mean Well	PS-35-15	+15V @ 0-2.4A	36.0W	90-264@47-440	4.0x2.0x0.94	3.75x1.75x0.13	150	0.5	0.5	UL/CUL/TUV/CE/CB	26.95	23.95	21.95
1919035	Mean Well	PS-35-24	+24V @ 0-1.5A	36.0W	90-264@47-440	4.0x2.0x0.94	3.75x1.75x0.13	200	0.5	0.5	UL/CUL/TUV/CE/CB	26.95	23.95	21.95
210841	Power-One	MAP42-1005	+5V@0-8A	40.0W	120-240@50-60	5.0x3.0x1.3	4.6x2.6x0.16	50	1.0	0.2	UL/CSA/TUV/CE	17.95	15.95	12.95
217332	Mean Well	PS-45-5	+5V@0-8A	40.0W	90-264@47-440	5.0x3.0x1.06	4.56x2.55x0.15	100	3.0	1.0	UL/CUL/TUV/CE	24.95	22.65	20.39
213728	Mean Well	PS-45-12	+12V@0-3.7A	44.4W	90-264@47-440	5.0x3.0x1.06	4.56x2.55x0.15	100	2.0	1.0	UL/CUL/TUV/CE	24.95	22.65	17.95
374353	Mean Well	PS-45-15	+15V@0-3.5A	45.0W	90-264@47-440	5.0x3.0x1.06	4.56x2.55x0.15	100	3.0	1.0	UL/CUL/TUV/CE	24.95	22.65	20.39
213720	Mean Well	PS-45-24	+24V@0-1.9A	45.6W	90-264@47-440	5.0x3.0x1.06	4.56x2.55x0.15	100	2.0	1.0	UL/CUL/TUV/CE	24.95	22.65	17.95
194862	Mean Well	PD-45A	+5V@0.4-3.2A; +12V@0.2-2	40.0W	90-264@47-440	5.0x3.0x1.06	4.56x2.55x0.15	50	3.0	1.0	UL/CUL/TUV/CE	26.95	22.95	19.95
194871	Mean Well	PD-45B	+5V@0.4-3.2A; +24V@0.2-1.2A	44.8W	90-264@47-440	5.0x3.0x1.06	4.56x2.55x0.15	50	3.0	1.0	UL/CUL/TUV/CE	26.95	22.95	19.95
88402	Mean Well	PT-45B	+5V@0.4-3A; +12V@0.2-2A; -12V@0-0.3A	45.0W	90-264@47-440	5.0x3.0x1.06	4.56x2.55x0.15	50	3.0	1.0	UL/CUL/TUV/CE	29.45	25.95	23.45
229122	Phihong	PSA4531	+5V@0-4A; +12V@0-1.5A; -12V@0-0.5A	44.0W	90-264@47-63	5.0x3.0x1.2	4.56x2.55x0.15	50	2.0	1.0	UL/CSA/TUV/CE	32.09	28.91	26.00
229147	Phihong	PSA4541	+5V@0-3A; +12V@0-2A; -5V@0-0.5A; -12V@0-0.5A	47.5W	90-264@47-63	5.0x3.0x1.2	4.56x2.55x0.15	50	2.0	2.0	UL/CSA/TUV/CE	29.95	26.95	23.95
673934	Martek	PVI-50-46BUB	+5V@6.5; +3.3V@2.5; +12V@0.8; -12V@0.5	57.0W	100-240@50-60	8.1x3.2x1.5	—	—	—	—	UL/CUL/CSA/TUV/CE	15.95	13.90	11.40

* Primary Output

**The Best Warranty
in the Industry**



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Order by Phone 24/7 at 1-800-831-4242 or Online at www.Jameco.com

65 to 150W Open-Frame Switching AC-to-DC Power Supplies



• Universal input

65 to 150-Watt Open-Frame Power Supplies

NEW
MARKED IN PINK

* Web Code: LBH



PS-65



PSA075



PPS-125



Enclosed Power Supplies
on pages 99-105.

65-Watt PS-65, PD-65 & PT-65 Series: Single, Dual & Triple Outputs

- Load & Line regulation: $\pm 1.0\%$ to $\pm 4.0\%$
- Voltage adjustment: 10%
- Working temp.: -10°C to $+60^{\circ}\text{C}$
- Size: 5.0"L x 3.0"W x 1.65"H
- Inrush current: 20A @ 120VAC
- Two-year warranty
- Weight: 0.6 lbs.



75-Watt PSA075 Series: Single Output

- Universal AC input
- Efficiency: $+5\text{V}-65\%$; $+12\text{V}-70\%$
- Inrush current: 40A@120VAC; 80A@240VAC
- Size: 5.0"L x 3.0"W x 1.3"H
- 200CFM forced air required
- Operating temp.: 0°C to 50°C
- Load regulation: $\pm 2.0\%$
- Two-year warranty

75-Watt LPS-75 Series: Single Output

- Universal AC input
- Line regulation: $\pm 1.0\%$
- Inrush current: 24A@120VAC
- Size: 8.74"L x 2.16"W x 1.18"H
- Built-in remote: $\pm 2.0\%$
- Working temp.: -20°C to $+60^{\circ}\text{C}$
- Voltage adjustment: 10%
- Weight: 0.5 lbs.
- Load regulation: $\pm 2.0\%$
- Two-year warranty

100-Watt LPS-100 Series: Single Output

- Auto-switch AC input
- Line regulation: $\pm 0.5\%$
- Working temperature: -10°C to $+60^{\circ}\text{C}$
- Inrush current: 30A @ 120VAC
- Load regulation: $\pm 1.5\%$, except 173463: $\pm 0.5\%$
- No minimum load required
- Voltage adjustment: 10%
- Weight: 0.8 lbs.
- Size: 8.74"L x 2.44" x 1.25"W
- Three-year warranty



120 Watt PSA-120 Series: Single Output

- Universal AC input
- Operating temp.: 0°C to 50°C
- Efficiency: $+5\text{V}-70\%$; $+12\text{V}-75\%$; $+24\text{V}-78\%$
- Inrush current: 30A@115VAC; 60A@240VAC
- 30CFM forced air required
- Overload, short-circuit protection
- Size: 5.0"L x 3.0"W x 1.3"H



125-Watt PPS-125 Series: Single Output

- Universal AC input
- Working temp.: -40°C to $+85^{\circ}\text{C}$
- Power Factor Correction
- Load regulation: $\pm 1.0\%$
- Size: 5.0"L x 3.0"W x 1.4"H
- Three-year warranty



150-Watt LPP-150 Series: Single Output

- Voltage adjustment: 10%
- Load regulation: 213681 $\pm 1.0\%$; 213672 & 216646: $\pm 0.5\%$
- Size: 8.74"L x 2.95"W x 1.61"H
- Auto-switch AC input



For special versions and large quantities call us at 1-800-794-9100

FACTORY OVERRUNS — TAKE ADVANTAGE OF GREAT PRICING, SUPPLIES LIMITED

Power	Jameco Part No.	Manufacturer	Product No.	Output		Input (VAC @ Hz)	Size Inches (LxWxH)	Mounting Holes (L"xW"xDia.)	Ripple & Noise (mV p-p)*	Load Reg. ($\pm\%$)*	Line Reg. ($\pm\%$)*	Certification	Pricing		
				Voltage@Current (min-max)	Power								1	10	25
	148639	Mean Well	PS-65-12	+12V@0.5-2A	62.4W	90-264@47-440	5.0x3.0x1.7	4.5x2.5x0.15	100	2.0	1.0	UL/CUL/TUV/CE	\$27.89	\$25.29	\$21.99
	374380	Mean Well	PS-65-13.5	+13.5V@0.5-4A	63.5W	90-264@47-440	5.0x3.0x1.7	4.5x2.5x0.15	100	2.0	1.0	UL/CUL/TUV/CE	28.39	25.59	22.95
	216751	Mean Well	PS-65-15	+15V@0.4-2A	63.0W	90-264@47-440	5.0x3.0x1.7	4.5x2.5x0.15	100	2.0	1.0	UL/CUL/TUV/CE	28.39	25.59	22.95
	148647	Mean Well	PS-65-24	+24V@0.2-7A	64.8W	90-264@47-440	5.0x3.0x1.7	4.5x2.5x0.15	100	2.0	1.0	UL/CUL/TUV/CE	28.39	25.59	22.95
	201946	Mean Well	PS-65-27	+27V@0.2-4A	64.8W	90-264@47-440	5.0x3.0x1.7	4.5x2.5x0.15	100	2.0	1.0	UL/CUL/TUV/CE	28.39	25.59	22.95
	201954	Mean Well	PS-65-48	+48V@0.1-35A	64.8W	90-264@47-440	5.0x3.0x1.7	4.5x2.5x0.15	100	2.0	1.0	UL/CUL/TUV/CE	28.39	25.59	22.95
	194889	Mean Well	PD-65A	+5V@0.4-7A; +12V@0.2-3.2A	61.1W	90-264@47-440	5.0x3.0x1.7	4.5x2.5x0.15	50	3.0	1.0	UL/CUL/TUV/CE	29.95	26.95	22.95
	194897	Mean Well	PD-65B	+5V@0.4-3.5A; +24V@0.2-2A	65.5W	90-264@47-440	5.0x3.0x1.7	4.5x2.5x0.15	50	3.0	1.0	UL/CUL/TUV/CE	28.39	25.59	22.95
	692377	Autec	UPS65-1002	+5V@0.5-3.5A; +12V@0.1-4A	65.0W	90-264@47-63	6.0x3.5x1.5	4.8x3.2x0.16	50	2.0	0.5	UL/CSA/TUV	14.95	13.49	11.95
	171731	Delta	DPS-60MPB	+3.3V@0.8-8A; +5V@1-9A	65.0W	90-270@47-63	5.8x3.3x1.4	—	50	2.0	2.0	UL/CUL/TUV	12.95	11.49	9.95
	235088	Artesyn	NLP65-7629	+5V@0-7A; +12V@0.2-5A; -12V@0.8A	65.0W	85-264@47-63	5.0x3.0x1.3	4.6x2.6x0.16	50	2.0	2.0	UL/CUL/TUV	24.95	22.49	19.95
	216734	Mean Well	PT-65B	+5V@0.4-5.5A; +12V@0.2-2.5A -12V@0-0.5A	63.5W	90-264@47-440	5.0x3.0x1.7	4.6x2.6x0.15	50	3.0	1.0	UL/CUL/TUV/CE	33.79	30.45	27.39
	216726	Mean Well	PT-65C	+5V@0.4-5.5A; +15V@0.2-2A; -15V@0-0.5A	65.0W	90-264@47-440	5.0x3.0x1.7	4.6x2.6x0.15	50	3.0	1.0	UL/CUL/TUV/CE	33.79	30.45	27.39
	215707	Mean Well	PT-65D	+5V@0.5-4A; +12V@0.2-2A; +24V@0.2-1A	65.0W	90-264@47-440	5.0x3.0x1.7	4.6x2.6x0.15	50	2.0	1.0	UL/CUL/TUV/CE	33.79	30.45	27.39
	645298	Mean Well	PQ-100DTR	+5V@5A; +12V@2A; +24V@2A	103.0W	100-264@47-63	7.0x4.3x1.8	6.5x3.8x0.16	80	1.0	1.0	—	29.95	24.95	19.95
	1586285	Philhong	PSA075-050-R	+5V@0-11A	55.0W	90-264@47-63	5.0x3.0x1.2	4.6x2.6x0.16	100	3.0	1.0	UL/CUL/TUV/CE	24.99	24.84	24.60
	1586293	Philhong	PSA075-120-R	+12V@0.6-25A	75.0W	90-264@47-63	5.0x3.0x1.2	4.6x2.6x0.16	120	2.0	1.0	UL/CUL/TUV/CE	25.25	24.99	24.75
	244727	Mean Well	LPS-75-24	+24V@0.3-3.5A	76.8W	90-264@47-63	8.7x2.2x1.2	8.4x1.8x0.15	120	1.0	1.0	UL/CUL/TUV/CE	34.95	29.95	22.95
	173472	Mean Well	LPS-100-12	+12V@0-8.4A	100.8W	88-264@47-63	8.7x2.4x1.3	8.4x2.1x0.14	100	1.5	0.5	UL/CUL/TUV/CE	55.89	52.92	50.27
	374344	Mean Well	LPS-100-13.5	+13.5V@0-7.5A	101.3W	88-264@47-63	8.7x2.4x1.3	8.4x2.1x0.14	100	1.5	0.5	UL/CUL/TUV/CE	58.75	53.68	47.58
	173463	Mean Well	LPS-100-24	+24V@0-4.2A	100.8W	88-264@47-63	8.7x2.4x1.3	8.4x2.1x0.14	150	0.5	0.5	UL/CUL/TUV/CE	56.95	53.85	42.95
	216710	Mean Well	LPS-100-48	+48V@0.2-1A	100.8W	88-264@47-63	8.7x2.4x1.3	8.4x2.1x0.14	200	0.5	0.5	UL/CUL/TUV/CE	56.95	53.85	34.95
	237024	Lite-On	PA-1101-1	+12V@2-8.5A	102.0W	85-264@47-63	6.0x4.0x1.3	—	1200	10.0	1.0	UL/CUL/TUV/CE	17.95	15.95	13.95
	670813	Intl. Power	PM110-13A	+15V@0-7.5A	110.0W	85-264@47-63	7.0x4.3x1.9	6.5x3.8x0.16	15	—	—	UL/CSA/TUV	19.95	17.95	15.95
	1586331	Philhong	PSA120-050-R	+5V@0-15A	75.0W	40-264@47-63	5.0x3.0x1.2	4.5x2.5x0.16	100	2.0	1.0	UL/CUL/TUV/CE	59.99	57.39	55.54
	1586357	Philhong	PSA120-250-R	+24V@0-5A	120.0W	40-264@47-63	5.0x3.0x1.2	4.5x2.5x0.16	240	2.0	1.0	UL/CUL/TUV/CE	59.99	57.39	55.54
	374089	Mean Well	PPS-125-12	+12V@0-10.5A	126.0W	90-264@47-63	5.0x3.0x1.4	4.6x2.6x0.14	100	1.0	0.5	UL/CUL/TUV/CE	85.95	76.95	65.95
	301429	Mean Well	PPS-125-24	+24V@0-5.2A	124.8W	90-264@47-63	5.0x3.0x1.4	4.6x2.6x0.14	150	1.0	0.5	UL/CUL/TUV/CE	85.95	76.95	65.95
	213681	Mean Well	LPP-150-12	+12V@0-12.5A	150.0W	85-264@47-63	8.7x2.4x1.6	8.3x2.6x0.15	100	1.0	0.5	UL/CUL/TUV/CE	75.95	69.95	64.95
	213672	Mean Well	LPP-150-24	+24V@0-6.3A	150.0W	85-264@47-63	8.7x2.4x1.6	8.3x2.6x0.15	150	0.5	0.5	UL/CUL/TUV/CE	74.49	69.58	66.10
	216646	Mean Well	LPP-150-48	+48V@0-3.2A	153.6W	85-264@47-63	8.7x2.4x1.6	8.3x2.6x0.15	250	0.5	0.5	UL/CUL/TUV/CE	75.95	69.95	64.95

* Primary Output

* For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. This product has a RoHS equivalent, manufacturer may vary.

200 to 225W Open-Frame Switching AC-to-DC Power Supplies

200 to 225-Watt Open-Frame Power Supplies

★ Web Code: **NBJ**

- 100% full burn-in test
- Line regulation: $\pm 0.5\%$
- Three-year warranty



Performance
at Value Prices



USP-225

200-Watt PPS-200 Series: Single Output

- High efficiency up to 90% (typical)
- Free air convection for 150W; 20.5 CFM forced air for 200W
- Short-circuit, overload, overvoltage protection
- Mating connector: P/N 104433, pg 60
- PWM control & regulated
- Size: 5.0"L x 3.0"W x 1.4"H
- Load regulation: $\pm 1.0\%$

225-Watt U Bracket Type USP-225 Series: Single Output

- Active AC surge current limiting
- Short-circuit, overload, overvoltage, overtemperature protection
- Free air convection for 150W and forced air convection for 225W
- Mating connectors: P/N 104433 or 463435 (input), pg 60 & web; P/N 364832 (output), see web
- Working temperature: -20°C to +65°C
- Load regulation: $\pm 1.0\%$
- Size: 8.0"L x 4.0"W x 1.5"H

Jameco Part No.	Manufacturer	Product No.	Output		Input (VAC @ Hz)	Ripple & Noise (mV p-p)*	Certification	Pricing	
			Voltage@Current (min-max)	Power				1	10
668713	Mean Well	PPS-200-12	+12V@0-16.6A	199.2W	90-264@47-63	100	UL/CUL/TUV/CE	\$105.89	\$99.69
668721	Mean Well	PPS-200-15	+15V@0-13.3A	199.5W	90-264@47-63	100	UL/CUL/TUV/CE	149.59	145.09
668730	Mean Well	PPS-200-24	+24V@0-8.3A	199.2W	90-264@47-63	150	UL/CUL/TUV/CE	144.19	139.85
694495	Mean Well	USP-225-24	+24V@0-9.4A	225.6W	90-264@47-63	150	UL/CUL/TUV/CE/CB	99.95	89.95

* Primary Output

15 to 25W Enclosed Switching AC-to-DC Power Supplies

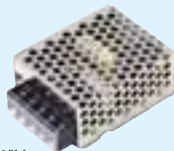
For special versions and large quantities call us at 1-800-794-9100

FACTORY OVERRUNS — TAKE ADVANTAGE OF GREAT PRICING, SUPPLIES LIMITED

15-Watt Enclosed

RS-15 Series

- LED indicator for power on
- All using 105°C long life electrolytic capacitors
- Withstands 300VAC surge input for 5 seconds
- Universal AC input/full range
- Working temp. range: -20°C to 70°C
- Cooling by free air convection
- 85-264 @47-63
- Size: 2.46"L x 2.0"W x 1.1"H
- Inrush current: 50A/240VAC
- 100% full burn-in test
- Three-year warranty



25-Watt Enclosed

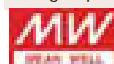
S-25 Series: Single Output

- 100% full-load burn-in
- Voltage adjustment: 10%
- Universal AC input: 88-264VAC @ 47-63Hz, 120-370VDC
- Mating connector: 103588, pg 71
- Mounting hardware: use P/Ns 222122, 222157 & 222173 (see web)
- 85-264 @47-63
- No minimum load required
- 1.2 watts/in³ maximum
- Working temp.: -10°C to +60°C
- Two-year warranty



25-Watt Enclosed RS-25 Series: Single Output

- New smaller design: 3.0" x 2.0" x 1.1"
- 100% full-load burn-in
- Cooling by free air convection
- High operating temperature up to 70°C
- Universal AC input: 88-264VAC @ 47-63Hz
- Short-circuit, overload, overvoltage protection
- Withstanding voltage of 300VAC surge input for 5 seconds
- Mating connector: 103588, pg 71
- 3.66 watts/in³ power density
- 105°C output capacitors
- Three-year warranty



★ Web Code: **ABM**

Jameco Part No.	Manufacturer	Product No.	Output		Ripple & Noise (mV p-p)*	Load Reg. (%)	Line Reg. (%)	Certification	Pricing		
			Voltage@Current (min-max)	Power					1	10	25
689848	Metapo	1M150C05-1M	+5V@0-3.0A	15.0W	100	0.5	1.0	UL/CUL/TUV/CE	\$14.95	\$13.49	\$11.95
692422	Volgen	SX15U-05S	+5V@3.0A	15.0W	100	—	—	UL/CSA	15.95	14.49	12.95
1919043	Mean Well	RS-15-5	+5V@0-3.0A	15.0W	80	1.5	0.5	UL/CUL/TUV/CE/CB	24.95	22.95	20.95
1919051	Mean Well	RS-15-12	+12@0-1.3A	15.6W	120	0.5	0.5	UL/CUL/TUV/CE/CB	24.95	22.95	20.95
1919060	Mean Well	RS-15-15	+15@0-1.0A	15.0W	120	0.5	0.5	UL/CUL/TUV/CE/CB	24.95	22.95	20.95
1919078	Mean Well	RS-15-24	+24@0-0.625A	15.0W	200	0.5	0.5	UL/CUL/TUV/CE/CB	24.95	22.95	20.95
693193	Mean Well	RS-25-3.3	+3.3V@0-6A	19.8W	80	2	0.5	UL/CUL/TUV/CE/CB	29.95	25.95	24.95
323282	Mean Well	RS-25-5	+5V@0-5A	25.0W	80	1	0.5	UL/CUL/TUV/CE/CB	29.95	25.95	24.95
323300	Mean Well	RS-25-12	+12V@0-2.1A	25.2W	120	0.5	0.5	UL/CUL/TUV/CE/CB	29.95	25.95	24.95
323302	Mean Well	RS-25-15	+15V@0-1.7A	25.5W	120	0.5	0.5	UL/CUL/TUV/CE/CB	29.95	25.95	24.95
323311	Mean Well	RS-25-24	+24V@0-1.1A	26.4W	120	0.5	0.5	UL/CUL/TUV/CE/CB	29.95	25.95	24.95
123247	Mean Well	S-25-5	+5V@0-5A	25.0W	50	1	0.5	UL/TUV/CE	30.59	27.49	24.75
123255	Mean Well	S-25-12	+12V@0-2.1A	25.2W	100	0.5	0.5	UL/TUV/CE	30.59	27.49	24.75
123262	Mean Well	S-25-15	+15V@0-1.7A	25.5W	100	0.5	0.5	UL/TUV/CE	30.59	27.49	24.75
123272	Mean Well	S-25-24	+24V@0-1.1A	26.4W	100	0.5	0.5	UL/TUV/CE	30.59	27.49	24.75

* Primary Output

Answering Your Questions

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Stumped on a project?

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RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 159.



Order by Phone 24/7 at 1-800-831-4242 or Online at www.Jameco.com

35 to 60-Watt Enclosed Switching AC-to-DC Power Supplies

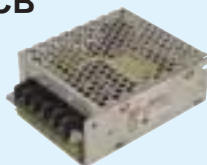


35-Watt Enclosed



RS-35 & RD-35 Series: Single & Dual Output

- New smaller design: 3.9" x 3.2" x 1.4"
- 2 watts/in³ power density • 100% full-load burn-in
- 105°C output capacitors • Three-year warranty
- Universal AC input: 88-264VAC @ 47-63Hz
- Short-circuit, overload, overvoltage protection
- Cooling by free air convection
- Withstanding voltage of 300VAC surge input for 5 seconds
- Mating connector: 103588, pg 71
- High operating temperature up to 70°C



50-Watt Enclosed

RS-50, RD-50, RT-50, & RQ-50 Series: Single, Dual, Triple & Quad Output

- Short-circuit/overload/overvoltage protection
- Withstanding 300VAC surge input for 5 seconds
- Universal AC input/full range
- Cooling by free air connection
- 100% full-load burn-in • Three-year warranty



40-Watt Enclosed

S-40 & T-40 Series: Single & Triple Output

- 100% full-load burn-in
- Universal AC input: 88-264VAC @ 47-63Hz, 120-370VDC
- 1.6 watts/in³ maximum • Voltage adjustment: 10%
- Mating connector: P/N 103588, pg 71
- Working temperature: -10°C to +60°C
- Mounting hardware: use P/Ns 222122, 222157 & 222173 (see web)
- Two-year warranty



60-Watt Enclosed

For Indoor and Outdoor Applications

- Built-in active PFC
- 100% full burn in test
- Suitable for LED lighting & moving sign application
- Short-circuit/overload/overvoltage/overtemperature protection
- Universal AC input/full range • Cooling by free air convection
- UL1310 class 2 power unit • Inrush current: 40A/230VAC



PLN-60 Series

- Line and load regulation: ±4%; ±10%
- Working temp. range: -30°C to 50°C
- Size: 7.13"L x 2.42"W x 1.38"H
- Two-year warranty

CLG-60 Series

- Line and load regulation: ±4%; ±10%
- Working temp. range: -30°C to 70°C
- Size: 6.77"L x 2.42"W x 1.54"H
- Three-year warranty



*Web Code: **BBM**

For special versions and large quantities call us at 1-800-794-9100

FACTORY OVERRUNS — TAKE ADVANTAGE OF GREAT PRICING, SUPPLIES LIMITED

Jameco Part No.	Manufacturer	Product No.	Output		Ripple & Noise (mV p-p)*	Load Reg. (%)*	Line Reg. (%)*	Certification	Pricing			QUANTITY SAVE
			Voltage@Current (min-max)	Power					1	10	25	
323329	Mean Well	RS-35-5	+5V@0-7A	35.0W	80	1	0.5	UL/CUL/TUV/CE/CB	\$37.99	\$31.95	\$31.75	
323337	Mean Well	RS-35-12	+12V@0-3A	36.0W	120	0.5	0.5	UL/CUL/TUV/CE/CB	37.99	31.95	31.75	
323345	Mean Well	RS-35-15	+15V@0-2.4A	36.0W	120	0.5	0.5	UL/CUL/TUV/CE/CB	37.99	31.95	31.75	
323353	Mean Well	RS-35-24	+24V@0-1.5A	36.0W	120	0.5	0.5	UL/CUL/TUV/CE/CB	37.99	34.95	27.95	
323362	Mean Well	RD-35A	+5V@0.3-4A; +12V@0.2-1A	32.0W	80	0.5	0.5	UL/CUL/TUV/CE/CB	40.95	35.95	31.75	
323380	Mean Well	RD-35B	+5V@0.3-4A; +24V@0.2-1.3A	51.2W	80	0.5	0.5	UL/CUL/TUV/CE/CB	40.95	35.95	31.75	
689805	Metapo	1M041C05-1M	+5V@0-8.0A	40.0W	75	—	—	UL/CUL/TUV/CE	22.95	19.95	17.95	
689830	Metapo	1M041C12-1M	+12V@0-3.5A	42.0W	100	—	—	UL/CUL/TUV/CE	24.95	22.49	19.95	
689792	Metapo	1M041C24-1M	+24V@0-1.8A	43.0W	100	—	—	UL/CUL/TUV/CE	24.95	22.95	19.95	
689784	Metapo	1M051C05-0M	+5V@10.0A	50.0W	100	—	—	UL/CUL	22.95	19.95	17.95	
689821	Metapo	1M051C12-1M	+12V@0-4.2A	50.0W	100	—	—	UL/CUL/TUV/CE	24.95	22.95	19.95	
123290	Mean Well	S-40-5	+5V@0-8.0A	40.0W	75	1	0.5	UL/CUL/TUV/CE/CB	35.95	32.39	29.15	
123298	Mean Well	S-40-12	+12V@0-3.5A	42.0W	100	0.5	0.5	UL/CUL/TUV/CE/CB	35.95	32.39	24.29	
202140	Mean Well	S-40-15	+15V@0-2.8A	42.0W	100	0.5	0.5	UL/CUL/TUV/CE/CB	35.95	32.39	29.15	
123319	Mean Well	S-40-24	+24V@0-1.8A	43.0W	100	0.5	0.5	UL/CUL/TUV/CE/CB	35.95	32.39	29.15	
201989	Mean Well	T-40A	+5V@0.6-3A; +12V@0.2-2A; -5V@0.1-0.5A	41.5W	100	0.5	0.5	CSA/CE	41.95	37.95	33.95	
201997	Mean Well	T-40B	+5V@0.6-3A; +12V@0.2-2A; -12V@0.1-0.5A	45.0W	100	0.5	0.5	CSA/CE	41.95	37.95	33.95	
202009	Mean Well	T-40C	+5V@0.6-3A; +15V@0.2-1.5A; -15V@0.1-0.5A	45.0W	100	0.5	0.5	CSA/CE	41.95	37.95	38.28	
693231	Mean Well	RS-50-3.3	+3.3V@0-10A	33.0W	80	2	0.5	UL/CUL/TUV/CE/CB	40.95	34.95	27.95	
323388	Mean Well	RS-50-5	+5V@0-10A	50.0W	80	1	0.5	UL/CUL/TUV/CE/CB	40.95	34.95	33.95	
323396	Mean Well	RS-50-12	+12V@0-4.2A	50.4W	120	0.5	0.5	UL/CUL/TUV/CE/CB	40.95	34.95	29.95	
323409	Mean Well	RS-50-15	+15V@0-3.4A	51.0W	120	0.5	0.5	UL/CUL/TUV/CE/CB	40.95	34.95	33.95	
323417	Mean Well	RS-50-24	+24V@0-2.2A	52.8W	120	0.5	0.5	UL/CUL/TUV/CE/CB	40.95	34.95	33.95	
693249	Mean Well	RS-50-48	+48V@0-1.1A	52.8W	200	0.5	0.5	UL/CUL/TUV/CE/CB	40.59	34.65	32.89	
323425	Mean Well	RD-50A	+5V@0.3-6A; +12V@0.3-3A	54.0W	80	0.5	0.5	UL/CUL/TUV/CE/CB	43.95	37.95	35.95	
323433	Mean Well	RD-50B	+5V@0.3-6A; +24V@0.2-2A	53.6W	80	0.5	0.5	UL/CUL/TUV/CE/CB	43.95	37.95	27.95	
323460	Mean Well	RT-50B	+5V@0.5-5A; +12V@0.2-2.5A; -12V@0.1-1A	50.0W	80	1	0.5	UL/CUL/TUV/CE/CB	45.55	39.60	37.62	
323468	Mean Well	RT-50C	+5V@0.5-5A; +15V@0.2-2A; -15V@0.1-1A	50.0W	80	1	0.5	UL/CUL/TUV/CE/CB	43.95	37.95	35.95	
323492	Mean Well	RQ-50D	+5V@0.5-6A; +12V@0.2-1.5A; +24V@0.1-1A; -12V@0-1A	53.4W	80	0.5	0.5	UL/CUL/TUV/CE/CB	47.05	39.99	29.99	
1918913	Mean Well	PLN-60-12	+12 @ 0-5.0A	60.0W	2.0	10	4.0	UL/CUL/TUV/CE	67.95	58.95	56.55	
1918964	Mean Well	PLN-60-15	+15 @ 0-4.0A	60.0W	2.4	10	4.0	UL/CUL/TUV/CE	67.95	58.95	56.55	
1918981	Mean Well	PLN-60-24	+24 @ 0-2.5A	60.0W	2.7	10	4.0	UL/CUL/TUV/CE	67.95	58.95	56.55	
1918921	Mean Well	CLG-60-12	+12 @ 0-5.0A	60.0W	2.0	10	4.0	UL/CUL/TUV/CE	96.95	85.95	76.95	
1919001	Mean Well	CLG-60-15	+15 @ 0-4.0A	60.0W	2.4	10	4.0	UL/CUL/TUV/CE	96.95	85.95	76.95	
1919027	Mean Well	CLG-60-24	+24 @ 0-2.5A	60.0W	2.7	10	4.0	UL/CUL/TUV/CE	79.95	69.95	67.95	
689768	Potrans	FS-06005-0M	+5V@0-12.0A	60.0W	120	—	—	UL/CUL/CE	22.95	19.95	17.95	
689813	Potrans	1M061C05-1M	+12V@0.5A	60.0W	120	—	—	UL/TUV/CE	24.95	22.95	19.95	

* Primary Output

60-Watt Power Supplies Continued on Next Page

*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 159.

60 to 100-Watt Enclosed Switching AC-to-DC Power Supplies

60-Watt Enclosed

S-60, D-60, T-60 & Q-60 Series:
Single, Dual, Triple & Quad Outputs

- 100% full-load burn-in
- 1.7 watts/in³ max
- Universal AC input: 88-264VAC @ 47-63Hz
- Voltage adjustment: 10% • Two-year warranty



65-Watt Enclosed

RD-65, RT-65 & RQ-65 Series:
Dual, Triple & Quad Outputs

- 100% full-load burn-in • Three-year warranty
- 105°C output capacitors
- Universal AC input: 88-264VAC @ 47-63Hz
- High operating temperature up to 70°C



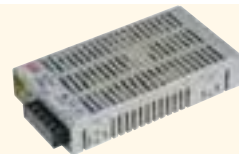
75 & 85-Watt Enclosed with Power Factor Correction

RS-75 Series: Single Output

SP-75 Series: Single Output

RD-85; RT-85 & RQ-85 Series: Dual & Triple Output

- 100% full-load burn-in • 1.7 watts/in³ max • Three-year warranty
- Universal AC input 88-264VAC @ 47-63Hz • Voltage adjustment: 10%



100-Watt Enclosed w/ PFC

CLG-100 Series: Single Output

- Universal AC input/full range
- Three-year warranty • Built in active PFC
- Safety standard UL1310 Class 2, IP67



100-Watt Enclosed PLN-100 Series: Single Output, Indoor and Outdoor Applications

- Suitable for LED lighting & moving sign application
- UL1310 class 2 power unit
- Cooling by free air convection
- Line and load regulation: ±1%; ±2%
- Working temperature range: -30°C to 50°C
- Built-in active PFC
- Inrush current: 40A/230VAC
- Short-circuit/overload/overvoltage/overtemperature protection
- Size: 7.87"L x 2.78"W x 1.38"H
- Two-year warranty
- 100% full burn in test
- Universal AC input/full range



★ Web Code: CEJ

For special versions and large quantities call us at 1-800-794-9100

FACTORY OVERRUNS — TAKE ADVANTAGE OF GREAT PRICING, SUPPLIES LIMITED

Jameco Part No.	Manufacturer	Product No.	Output		Ripple & Noise (mV p-p)*	Load Reg. (±%)*	Line Reg. (±%)*	Certification	Pricing		
			Voltage@Current (min-max)	Power					1	10	25
123327	Mean Well	S-60-5	+5V@0-12A	60.0W	120	1	0.5	UL/CUL/TUV/CE/CB	\$38.95	\$34.95	\$31.55
123335	Mean Well	S-60-12	+12V@0-5A	60.0W	120	0.5	0.5	UL/CUL/TUV/CE/CB	38.95	34.95	31.55
123343	Mean Well	S-60-15	+15V@0-4A	60.0W	150	0.5	0.5	UL/CUL/TUV/CE/CB	38.95	34.95	31.55
123352	Mean Well	S-60-24	+24V@0-2.5A	60.0W	150	0.5	0.5	UL/CUL/TUV/CE/CB	38.95	34.95	31.55
123458	Mean Well	D-60A	+5V@0.3-4A; +12V@0.2-3A	56.0W	75	0.5	0.5	UL/CUL/TUV/CE/CB	42.95	38.95	34.95
123466	Mean Well	D-60B	+5V@0.3-3A; +24V@0.2-1.8A	58.0W	75	0.5	0.5	UL/CUL/TUV/CE/CB	45.95	38.95	34.95
123482	Mean Well	T-60B	+5V@0.5-5A; +12V@0.2-2.5A; -12V@0-0.5A	61.0W	100	1	0.5	UL/CUL/TUV/CE/CB	61.49	49.82	44.84
123491	Mean Well	T-60C	+5V@0.5-5A; +15V@0.2-2A; -15V@0-0.5A	62.5W	100	1	0.5	UL/CUL/TUV/CE/CB	61.49	48.82	44.84
147046	Mean Well	Q-60B	+5V@0.5-5.5A; +12V@0.1-2A; -5V@0-0.5A; -12V@0-0.5A	60.0W	100	0.5	0.5	UL/CUL/CE/CB	68.59	57.09	42.82
323505	Mean Well	RD-65A	+5V@0.3-8A; +12V@0.2-4A	66.0W	80	0.5	0.5	UL/CUL/TUV/CE/CB	46.95	39.95	37.95
323513	Mean Well	RD-65B	+5V@0.3-8A; +24V@0.2-3A	68.0W	80	0.5	0.5	UL/CUL/TUV/CE/CB	46.95	39.95	31.95
323540	Mean Well	RT-65B	+5V@0.5-8A; +12V@0.2-3.5A; -12V@0-1A	64.6W	80	1	0.5	UL/CUL/TUV/CE/CB	49.95	47.55	45.55
323548	Mean Well	RT-65C	+5V@0.5-8A; +15V@0.2-3A; -15V@0-1A	65.5W	80	1	0.5	UL/CUL/TUV/CE/CB	49.95	47.55	45.55
323555	Mean Well	RT-65D	+5V@0.5-8A; +12V@0.1-1A; +24V@0.2-2A	68.0W	80	1	0.5	UL/CUL/TUV/CE/CB	39.95	35.95	32.95
323564	Mean Well	RQ-65B	+5V@0.5-8A; +12V@0.2-3A; -5V@0-1A; -12V@0-1A	62.5W	80	0.5	0.5	UL/CUL/TUV/CE/CB	49.95	42.95	39.95
323572	Mean Well	RQ-65D	+5V@0.5-8A; +12V@0.2-3A; +24V@0.1-1.5A; -12V@0-1A	68.0W	80	0.5	0.5	UL/CUL/TUV/CE/CB	48.95	41.26	39.24
693257	Mean Well	RS-75-3.3	+3.3V@0-15A	49.5W	80	2	0.5	UL/CUL/TUV/CE/CB	45.95	38.95	37.95
323581	Mean Well	RS-75-5	+5V@0-12A	60.0W	80	1	0.5	UL/CUL/TUV/CE/CB	35.95	32.95	29.95
323599	Mean Well	RS-75-12	+12V@0-6A	72.0W	120	0.5	0.5	UL/CUL/TUV/CE/CB	45.95	38.95	37.95
323602	Mean Well	RS-75-15	+15V@0-5A	75.0W	120	0.5	0.5	UL/CUL/TUV/CE/CB	45.95	38.95	37.95
323620	Mean Well	RS-75-24	+24V@0-3.2A	76.8W	120	0.5	0.5	UL/CUL/TUV/CE/CB	45.95	38.95	37.95
194830	Mean Well	SP-75-5	+5V@0-15A	75.0W	80	1	0.5	UL/CUL/TUV/CE/CB	75.95	59.95	49.95
194838	Mean Well	SP-75-12	+12V@0-6.3A	75.6W	80	0.5	0.5	UL/CUL/TUV/CE/CB	75.95	67.95	59.95
194845	Mean Well	SP-75-15	+15V@0-5A	75.0W	80	0.5	0.5	UL/CUL/TUV/CE/CB	75.95	67.95	59.95
194854	Mean Well	SP-75-24	+24V@0-3.2A	76.8W	100	0.5	0.5	UL/CUL/TUV/CE/CB	75.95	67.95	59.95
693409	Mean Well	SP-75-27	+27V@0-2.8A	75.6W	100	0.5	0.5	UL/CUL/TUV/CE/CB	75.95	67.95	59.95
323628	Mean Well	RD-85A	+5V@2-10A; +12V@0.3-5A	88.0W	80	1	0.5	UL/CUL/TUV/CE/CB	67.95	57.95	53.95
323661	Mean Well	RT-85C	+5V@2-10A; +15V@0.3-4A; -15V@0-1A	87.5W	80	1	0.5	UL/CUL/TUV/CE/CB	72.95	65.95	59.95
323678	Mean Well	RT-85D	+5V@2-10A; +12V@0.1-1A; +24V@0.3-2.5A	90.0W	80	1	0.5	UL/CUL/TUV/CE/CB	59.95	53.95	49.95
323695	Mean Well	RQ-85D	+5V@2-10A; +12V@0.3-4A; +24V@0.1-1.5A; -12V@0-1A	84.0W	80	1	0.5	UL/CUL/TUV/CE/CB	75.95	63.95	56.95
1585864	Mean Well	CLG-100-20	+20V@0-4.8A	96.0W	150	2	1	UL/CUL/TUV/CE/PFC	99.95	95.95	89.95
1585872	Mean Well	CLG-100-24	+24V@0-4A	96.0W	150	2	1	UL/CUL/TUV/CE/PFC	99.95	95.95	89.95
1585733	Mean Well	CLG-100-27	+27V@0-3.55A	95.85W	150	2	1	UL/CUL/TUV/CE/PFC	99.95	95.95	89.95
1918833	Mean Well	PLN-100-12	+12 @ 0-5.0A	60.0W	150	—	—	UL/CUL/TUV/CE/PFC	88.95	76.95	73.95
1918841	Mean Well	PLN-100-15	+15 @ 0-5.0A	75.0W	150	—	—	UL/CUL/TUV/CE/PFC	88.95	76.95	73.95
1918868	Mean Well	PLN-100-24	+24 @ 0-4.0A	96.0W	150	—	—	UL/CUL/TUV/CE/PFC	88.95	76.95	73.95

* Primary Output

★ For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product

This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 159.



Order by Phone 24/7 at 1-800-831-4242 or Online at www.Jameco.com

100 to 150W Enclosed Switching AC-to-DC Power Supplies



100-Watt Enclosed

S-100F Series: Single Output

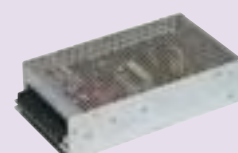
- 100% full-load burn-in
- Input voltage: 88-132/176-264VAC@47-63Hz
- No minimum load required
- Two-year warranty



120-Watt Enclosed

D-120 & Q-120 Series: Dual & Quad Outputs

- 100% full-load burn-in
- 1.9 watts/in³ max.
- Input volt.: 88-132/176-264VAC@47-63Hz
- Two-year warranty



100-Watt Enclosed with Power Factor Correction

SP-100 & TP-100 Series: Single & Triple Outputs

- 100% full-load burn-in
- Universal AC input
- Input voltage: 86-264VAC@47-63Hz
- 2.0 watts/in³ max.
- Three-year warranty



125 & 150-Watt Enclosed

- 100% full-load burn-in
- Three-year warranty

RD-125, RT-125 & RQ-125 Series: Dual, Triple & Quad Outputs

RS-150 Series: Single Output

- New smaller design: 7.8" x 3.9" x 1.5"
- Input volt.: 88-132/176-264VAC@47-63Hz
- Cooling by free air convection
- No minimum load required



100-Watt Enclosed

RS-100 Series: Single Output

- 100% full-load burn-in
- Universal AC input/full range
- Three-year warranty



150-Watt Enclosed

S-150 Series: Single Output

- 100% full-load burn-in
- No min. load required
- Input volt.: 88-132/176-264VAC@47-63Hz
- Two-year warranty



Open-Frame Power Supplies on pages 96-99.



* Web Code: TAR

For special versions and large quantities call us at 1-800-794-9100

FACTORY OVERRUNS — TAKE ADVANTAGE OF GREAT PRICING, SUPPLIES LIMITED

Jameco Part No.	Manufacturer	Product No.	Output		Ripple & Noise (mV p-p)*	Load Reg. (±%)*	Line Reg. (±%)*	Certification	Pricing		
			Voltage@Current (min-max)	Power					1	10	25
212450	Mean Well	S-100F-15	+15V@0-6.7A	100.5W	125	0.5	0.5	UL/TUV/CE/CB	\$66.95	\$49.90	\$44.90
201971	Mean Well	S-100F-24	+24V@0-4.5A	108.0W	150	0.5	0.5	UL/TUV/CE/CB	47.75	42.95	38.75
216793	Mean Well	S-100F-48	+48V@0-2.2A	105.6W	150	0.5	0.5	UL/TUV/CE/CB	47.75	42.95	31.95
212441	Mean Well	SP-100-3.3	+3.3V@0-20A	66.0W	100	1	0.5	UL/CUL/TUV/CE/CB/PFC	83.95	76.95	59.95
194791	Mean Well	SP-100-5	+5V@0-20A	100.0W	100	1	0.5	UL/CUL/TUV/CE/CB/PFC	83.95	76.95	68.95
212433	Mean Well	SP-100-15	+15V@0-6.7A	100.5W	100	0.5	0.5	UL/CUL/TUV/CE/CB/PFC	83.95	76.95	68.95
194803	Mean Well	SP-100-12	+12V@0-8.5A	102.0W	100	0.5	0.5	UL/CUL/TUV/CE/CB/PFC	83.95	76.95	68.95
194812	Mean Well	SP-100-24	+24V@0-4.2A	100.8W	150	0.5	0.5	UL/CUL/TUV/CE/CB/PFC	83.95	76.95	68.95
213794	Mean Well	TP-100A	+5V@3-10A; +12V@0.4-4A; -5V@0-0.6A	100.0W	100	3	1	UL/CUL/TUV/CE/CB/PFC	99.95	89.95	69.95
213778	Mean Well	TP-100C	+5V@3-10A; +15V@0.4-3A; -15V@0-0.6A	104.0W	100	3	1	UL/CUL/TUV/CE/CB/PFC	99.95	89.95	67.45
323716	Mean Well	RS-100-12	+12V@0-8.5A	102.0W	120	0.5	0.5	UL/CUL/TUV/CE/CB	63.35	54.95	51.95
323724	Mean Well	RS-100-15	+15V@0-7A	105.0W	120	0.5	0.5	UL/CUL/TUV/CE/CB	70.59	57.15	54.30
323732	Mean Well	RS-100-24	+24V@0-4.5A	108.0W	120	0.5	0.5	UL/CUL/TUV/CE/CB	63.95	54.95	51.95
132410	Mean Well	D-120A	+5V@2-12A; +12V@0.5-5A	120.0W	60	0.5	0.5	UL/CUL/TUV/CE/CB	69.95	64.69	57.95
132397	Mean Well	D-120B	+5V@2-6A; +24V@0.4-4A	126.0W	60	0.5	0.5	UL/CUL/TUV/CE/CB	71.95	64.69	57.95
132389	Mean Well	Q-120B	+5V@2-11A; -5V@0.2-1A; +12V@0.5-4A; -12V@0.2-1A	120.0W	80	0.5	0.5	UL/CUL/TUV/CE/CB	75.95	67.95	62.95
132371	Mean Well	Q-120D	+5V@2-8A; +24V@0.2-2A; +12V@0.2-2A; -12V@0.2-1A	124.0W	80	0.5	0.5	UL/CUL/TUV/CE/CB	61.39	54.55	51.75
323759	Mean Well	RD-125B	+5V@2-10A; +24V@0.4-5A	133.4W	80	3	1	UL/CUL/TUV/CE/CB	67.95	64.65	52.39
323775	Mean Well	RT-125B	+5V@2-15A; +12V@0.5-6A; -12V@0.1-1A	132.0W	80	1	0.5	UL/CUL/TUV/CE/CB	73.95	70.35	60.85
323783	Mean Well	RT-125C	+5V@2-15A; +15V@0.5-6A; -15V@0.1-1A	132.5W	80	1	0.5	UL/CUL/TUV/CE/CB	70.35	60.85	57.85
323792	Mean Well	RT-125D	+5V@2-15A; +12V@0.1-2A; +24V@0.4-4A	136.0W	80	1	0.5	UL/CUL/TUV/CE/CB	78.39	70.52	63.46
323803	Mean Well	RQ-125B	+5V@2-12A; +12V@0.5-4.5A; -5V@0.1-1A; -12V@0.1-1A	120.0W	80	1	0.5	UL/CUL/TUV/CE/CB	72.25	62.75	59.65
323820	Mean Well	RS-150-5	+5V@0-26A	130.0W	80	1	0.5	UL/CUL/TUV/CE/CB	67.35	55.55	51.95
693329	Mean Well	RS-150-3.3	+3.3V@0-30.0A	99.0W	80	2	0.5	UL/CUL/TUV/CE/CB	67.35	58.95	55.95
323839	Mean Well	RS-150-12	+12V@0-12.5A	150.0W	120	0.5	0.5	UL/CUL/TUV/CE/CB	67.35	58.95	55.95
323847	Mean Well	RS-150-15	+15V@0-10A	150.0W	120	0.5	0.5	UL/CUL/TUV/CE/CB	67.35	58.95	55.95
323855	Mean Well	RS-150-24	+24V@0-6.5A	156.0W	120	0.5	0.5	UL/CUL/TUV/CE/CB	67.35	58.95	55.95
323863	Mean Well	RS-150-48	+48V@0-3.3A	158.4W	200	0.5	0.5	UL/CUL/TUV/CE/CB	67.35	58.95	55.95
1945920	APS	RP1150-24C	+24V@0-6.25A	150.0W	100	1.0	1.0	UL/CE	49.95	44.95	39.95
1585549	Potrans	FS-15024-IM	+24V@0-6.5A	156.0W	240	—	—	UL/CUL/CE	39.95	35.95	32.95
123394	Mean Well	S-150-5	+5V@0-30A	150.0W	150	0.5	0.5	UL/CUL/TUV/CE/CB	57.95	51.95	46.89
123415	Mean Well	S-150-7.5	+7.5V@0-20A	150.0W	150	0.5	0.5	UL/CUL/TUV/CE/CB	57.95	51.95	46.89
123423	Mean Well	S-150-12	+12V@0-12.5A	150.0W	180	0.3	0.3	UL/CUL/TUV/CE/CB	57.95	51.95	46.89
202025	Mean Well	S-150-13.5	+13.5V@0-11.2A	151.2W	180	0.3	0.3	UL/CUL/TUV/CE/CB	57.95	51.95	46.89
123432	Mean Well	S-150-15	+15V@0-10A	150.0W	180	0.3	0.3	UL/CUL/TUV/CE/CB	57.95	51.95	46.89
123450	Mean Well	S-150-24	+24V@0-6.5A	156.0W	240	0.2	0.2	UL/CUL/TUV/CE/CB	57.95	51.95	46.89
202033	Mean Well	S-150-27	+27V@0-5.6A	151.2W	240	0.2	0.2	UL/CUL/TUV/CE/CB	57.95	51.95	46.89
167346	Mean Well	S-150-48	+48V@0-3.2A	153.6W	240	0.2	0.2	UL/CUL/TUV/CE/CB	57.95	51.95	41.55

* Primary Output Blue Part No. = Limited Quantity Available

* For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 159.

150 to 320-Watt Enclosed Switching AC-to-DC Power Supplies

150-Watt Enclosed with Power Factor Correction

SP-150 & TP-150 Series:
Single & Triple Outputs



- 100% full-load burn-in
- Input: 85-264VAC, 120-370VDC
- Working temperature: -10°C to +60°C
- Mating connector: P/N 103588, pg 71
- Three-year warranty



200-Watt Enclosed with Power Factor Correction

SP-200 Series: Single Output



- 100% full-load burn-in
- Built-in fan cooling
- Input: 85-264VAC @ 47-63Hz, 120-370VDC
- Working temperature: -10°C to +60°C
- Mating connector: P/N 103588, pg 71
- Three-year warranty



240-Watt Enclosed

S-240 Series: Single Output

- 100% full-load burn-in
- No minimum load required
- 3.4 watts/in² maximum
- Voltage adjustment: 10%
- Mating connector: P/N 103588, pg 71
- Input: 88-132/176-264VAC @ 47-63Hz
- Auto cooling fan
- Two-year warranty



300 & 320-Watt Enclosed with Power Factor Correction

PSP-300 & SP-320 Series: Single Output

- 100% full-load burn-in
- Universal AC input
- Input: 88-264VAC @ 47-63Hz, 120-370VDC
- No minimum load required
- Auto cooling fan
- Voltage adjustment: 10%
- Working temperature: SP-300: -10°C to +60°C; SP-320: -20°C to 65°C
- Three-year warranty



Open-Frame Power Supplies on pages 96-99.

* Web Code: WBF

For special versions and large quantities call us at 1-800-794-9100

FACTORY OVERRUNS — TAKE ADVANTAGE OF GREAT PRICING, SUPPLIES LIMITED

Jameco Part No.	Manufacturer	Product No.	Output		Ripple & Noise (mV p-p)*	Load Reg. (±%)*	Line Reg. (±%)*	Certification	Pricing			QUANTITY SAVE
			Voltage@Current (min-max)	Power					1	10	25	
201903	Mean Well 𐀀	SP-150-3.3	+3.3V@0-30A	99.0W	100	1	0.5	UL/CUL/TUV/CE/CB/PFC	\$96.95	\$86.95	\$64.95	
201912	Mean Well 𐀀	SP-150-5	+5V@0-30A	150.0W	100	1	0.5	UL/CUL/TUV/CE/CB/PFC	96.95	86.95	78.55	
173421	Mean Well 𐀀	SP-150-12	+12V@0-12.5A	150.0W	100	0.5	0.5	UL/CUL/TUV/CE/CB/PFC	96.95	86.95	78.55	
394193	Mean Well 𐀀	SP-150-13.5	+13.5V@0-11.2A	151.2W	100	0.5	0.5	UL/CUL/TUV/CE/CB/PFC	87.45	78.65	67.55	
173412	Mean Well 𐀀	SP-150-15	+15V@0-10A	150.0W	100	0.5	0.5	UL/CUL/TUV/CE/CB/PFC	96.95	86.95	78.55	
173404	Mean Well 𐀀	SP-150-24	+24V@0-6.3A	150.0W	150	0.5	0.5	UL/CUL/TUV/CE/CB/PFC	96.95	86.95	78.55	
201930	Mean Well 𐀀	SP-150-48	+48V@0-3.2A	153.6W	250	0.5	0.5	UL/CUL/TUV/CE/CB/PFC	96.95	86.95	71.95	
213832	Mean Well 𐀀	TP-150C	+5V@2-15A; +15V@0.4-4.5A; -15V@0-0.6A	151.5W	100	3	1	UL/CUL/TUV/CE/CB/PFC	109.95	99.95	89.95	
1585557	Metapo	IM201C12-IM-02	+12V@0-16.6A	200.0W	120	—	—	UL/CUL/TUV/CE	69.95	64.95	59.95	
689750	Potrans	FS-20024-1M	+24V@0-8.3A	200.0W	150	—	—	UL/CSA/CE/TUV	49.95	44.95	39.95	
194774	Mean Well 𐀀	SP-200-12	+12V@0-16.7A	200.4W	100	0.5	0.5	UL/CUL/TUV/CE/CB/PFC	107.95	96.95	86.95	
202042	Mean Well 𐀀	SP-200-5	+5V@0-40A	200.0W	100	1	0.5	UL/CUL/TUV/CE/CB/PFC	86.95	74.95	70.95	
212410	Mean Well 𐀀	SP-200-13.5	+13.5V@0-14.9A	201.1W	100	0.5	0.5	UL/CUL/TUV/CE/CB/PFC	107.95	96.95	86.95	
202060	Mean Well 𐀀	SP-200-15	+15V@0-13.4A	201.0W	100	0.5	0.5	UL/CUL/TUV/CE/CB/PFC	96.95	86.95	74.95	
194782	Mean Well 𐀀	SP-200-24	+24V@0-8.4A	201.6W	150	0.5	0.5	UL/CUL/TUV/CE/CB/PFC	79.95	74.95	70.95	
693548	Mean Well 𐀀	SP-200-27	+27V@0-7.5A	202.5W	150	0.5	0.5	UL/CUL/TUV/CE/CB/PFC	107.95	96.95	86.95	
202068	Mean Well 𐀀	SP-200-48	+48V@0-4.2A	201.6W	250	0.5	0.5	UL/CUL/TUV/CE/CB/PFC	86.95	74.95	71.95	
693556	Mean Well 𐀀	S-240-7.5	+7.5V@0-30.0A	225.0W	200	1	0.5	UL/CUL/TUV/CE/CB/PFC	104.95	88.95	78.95	
137649	Mean Well 𐀀	S-240-12	+12V@0-18A	216.0W	150	0.5	0.5	UL/CUL/TUV/CE/CB/PFC	104.95	88.95	78.95	
202075	Mean Well 𐀀	S-240-15	+15V@0-15A	225.0W	150	0.5	0.5	UL/CUL/TUV/CE/CB/PFC	104.95	88.95	69.95	
137657	Mean Well 𐀀	S-240-24	+24V@0-10A	240.0W	180	0.5	0.5	UL/CUL/TUV/CE/CB/PFC	104.95	88.95	78.95	
392834	Mean Well 𐀀	S-240-30	+30V@0-8A	240.0W	180	0.5	0.5	UL/CUL/TUV/CE/CB/PFC	104.95	88.95	78.95	
167338	Mean Well 𐀀	S-240-48	+48V@0-5A	240.0W	240	1	1	UL/CUL/TUV/CE/CB/PFC	104.95	88.95	78.95	
244735	Mean Well 𐀀	SP-320-5	+5V@0-55A at 230VAC; 0-44A at 115VAC	275.0W	150	1	0.5	UL/CUL/TUV/CE/CB/PFC	141.95	127.65	114.65	
394215	Mean Well 𐀀	SP-320-7.5	+7.5V@0-40A	300.0W	150	1	0.5	UL/CUL/TUV/CE/CB/PFC	141.95	127.65	114.65	
244743	Mean Well 𐀀	SP-320-12	+12V@0-25A at 230VAC; 0-20A at 115VAC	300.0W	150	0.5	0.3	UL/CUL/TUV/CE/CB/PFC	141.95	127.65	114.65	
693599	Mean Well 𐀀	SP-320-13.5	+13.5V@0-22.0A	297.0W	150	0.5	0.3	UL/CUL/TUV/CE/CB/PFC	141.95	127.65	114.65	
693610	Mean Well 𐀀	SP-320-15	+15V@0-20.0A	300.0W	150	0.5	0.3	UL/CUL/TUV/CE/CB/PFC	141.95	127.65	114.65	
244752	Mean Well 𐀀	SP-320-24	+24V@0-13A at 230VAC; 0-10.4A at 115VAC	312.0W	150	0.5	0.2	UL/CUL/TUV/CE/CB/PFC	127.65	114.65	98.59	
374205	Mean Well	PSP-300-48	+48V@0-6.5A	312.0W	240	0.5	0.2	UL/CUL/TUV/CE/CB/PFC	174.95	162.40	149.95	
693628	Mean Well 𐀀	SP-320-27	+27V@0-11.7A	315.9W	200	0.5	0.2	UL/CUL/TUV/CE/CB/PFC	141.95	127.65	114.65	
244770	Mean Well 𐀀	SP-320-48	+48V@0-6.7A at 230VAC; 0-5.4A at 115VAC	321.6W	240	0.5	0.2	UL/CUL/TUV/CE/CB/PFC	141.95	127.65	114.65	

* Primary Output

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320 to 600W Enclosed Switching AC-to-DC Power Supplies



320-Watt Enclosed

S-320 Series: Single Output

- 100% full-load burn-in
- Input: 88-132/176-264VAC @ 47-63Hz
- 4.1 watts/in² maximum
- Auto cooling fan
- Two-year warranty



500-Watt Enclosed with Power Factor Correction

SP-500 Series: Single Output

- 100% full-load burn-in
- Input: 88-264VAC, 120-370VDC
- 3.6 watts/in² maximum
- Auto cooling fan
- Input: 100-240VAC @ 50-60Hz
- Mating connector: P/N 103588, pg 71
- Working temperature: -10°C to +60°C
- Three-year warranty



480-Watt Enclosed with Power Factor Correction

SP-480 Series: Single Output

- Input: 85-264VAC, 120-370VDC
- Working temperature: -20°C to +60°C
- Short-circuit, overload, overvoltage, overtemperature protection
- Built-in remote ON-OFF control, and remote sense function
- Three-year warranty
- Size: 10.9"L x 5.0"W x 1.7"H



600-Watt Enclosed

SE-600 Series: Single Output



- AC input range switch selectable
- AC input active surge current limiting
- Inrush current: 30A @ 115VAC
- Leakage current: <2mA @ 240VAC
- Working temperature: -20°C to +60°C
- Short-circuit, overload, overvoltage, overtemperature protection
- Size: 9.7"L x 5.0"W x 2.5"H
- Two-year warranty



600-Watt Enclosed with Power Factor Correction

PSP-600 Series: Single Output

- Built-in active PFC function
- Forced air cooling by built-in DC fan
- Built-in remote ON-OFF control, and remote sense function
- Input: 88-264VAC @ 47-64Hz/124-370VDC
- Working temperature: -20°C to +50°C

- Current sharing up to 2400W (3 +1)
- Short-circuit, overload, overvoltage, overtemperature protection
- Mating connector: P/N 103588 or 302877, pg 71
- Three-year warranty



Open-Frame Power Supplies on pages 96-99.

*Web Code: ABG

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For PC Power Supplies, see page 125.

Jameco Part No.	Manufacturer	Product No.	Output		Ripple & Noise (mV p-p)*	Load Reg. (%)	Line Reg. (%)	Certification	Pricing		
			Voltage@Current (min-max)	Power					1	10	25
216776	Mean Well	S-320-5	+5V@0-50A	250.0W	150	1	0.5	UL/CUL	\$119.75	\$107.59	\$96.59
207212	Mean Well	S-320-7.5	+7.5V@0-36A	270.0W	150	0.5	0.5	UL/CUL	119.75	107.59	96.59
207204	Mean Well	S-320-12	+12V@0-25A	300.0W	150	0.5	0.5	UL/CUL	119.75	107.59	96.59
693572	Mean Well	S-320-13.5	+13.5V@0-22.0A	297.0W	150	0.5	0.5	UL/CUL	119.75	107.59	96.59
374993	Mean Well	S-320-15	+15V@0-20A	300.0W	150	0.5	0.5	UL/CUL	119.75	107.59	96.59
196657	Mean Well	S-320-24	+24V@0-12.5A	300.0W	150	0.5	0.5	UL/CUL	119.75	107.59	96.59
693581	Mean Well	S-320-27	+27V@0-11.0A	297.0W	200	0.5	0.5	UL/CUL	119.75	107.59	96.59
207191	Mean Well	S-320-48	+48V@0-6.5A	312.0W	240	0.5	0.5	UL/CUL	119.75	107.59	96.59
1585565	Potrans	FS-32024-IM	+24V@0-12.5A	300.0W	150	—	—	UL/CUL/CE	84.95	74.95	67.95
689776	Metapo	1M321C48-0M	+48V@0-6.5A	312.0W	240	—	—	UL/CUL	64.95	59.95	47.95
693644	Mean Well	SP-480-5	+5V@0-85.0A	425.0W	80	1	0.5	UL/CUL/TUV/CE/CB/PFC	210.95	180.95	173.95
301373	Mean Well	SP-480-12	+12V@0-40A at 230VAC; 0-36A at 115VAC	480.0W	120	0.5	0.3	UL/CUL/TUV/CE/CB/PFC	210.95	180.95	173.85
301322	Mean Well	SP-480-24	+24V@0-20A at 230VAC; 0-18A at 115VAC	480.0W	150	0.5	0.2	UL/CUL/TUV/CE/CB/PFC	210.95	180.95	173.85
301402	Mean Well	SP-480-48	+48V@0-10A at 230VAC; 0-9A at 115VAC	480.0W	240	0.5	0.2	UL/CUL/TUV/CE/CB/PFC	234.95	210.95	180.95
190693	Mean Well	SP-500-12	+12V@0-40A at 230VAC; 0-34A at 115VAC	480.0W	240	0.5	0.5	UL/CUL/TUV/CE/CB/PFC	224.95	201.95	173.95
147054	Mean Well	SP-500-24	+24V@0-20A at 230VAC; 0-17A at 115VAC	480.0W	240	0.5	0.5	UL/CUL/TUV/CE/CB/PFC	249.95	224.95	201.95
190706	Mean Well	SP-500-27	+27V@0-18A at 230VAC; 0-15.3A at 115VAC	486.0W	200	0.5	0.5	UL/CUL/TUV/CE/CB/PFC	224.95	201.95	173.95
161796	Mean Well	SP-500-48	+48V@0-10A at 230VAC; 0-8.5A at 115VAC	480.0W	300	0.5	0.5	UL/CUL/TUV/CE/CB/PFC	201.95	173.95	166.95
374002	Mean Well	SE-600-05	+5V@0-100A	500.0W	150	2	0.5	UL/CUL	179.95	165.95	145.95
374011	Mean Well	SE-600-12	+12V@0-50A	600.0W	150	0.5	0.5	UL/CUL	173.95	156.59	140.89
291522	Mean Well	SE-600-15	+15V@0-40A	600.0W	150	0.5	0.5	UL/CUL	179.95	165.95	119.95
295902	Mean Well	SE-600-24	+24V@0-25A	600.0W	150	0.5	0.5	UL/CUL	179.95	165.95	145.95
295911	Mean Well	SE-600-27	+27V@0-22.2A	599.4W	150	0.5	0.5	UL/CUL	179.95	165.95	145.95
295929	Mean Well	SE-600-48	+48V@0-12.5A	600.0W	200	0.5	0.5	UL/CUL	179.95	165.95	145.95
374214	Mean Well	PSP-600-12	+12V@0-50A	600.0W	240	0.5	0.5	UL/CUL/TUV/CE/CB/PFC	205.95	177.95	170.95
374222	Mean Well	PSP-600-15	+15V@0-40A	600.0W	240	0.5	0.5	UL/CUL/TUV/CE/CB/PFC	205.95	177.95	170.95
374231	Mean Well	PSP-600-24	+24V@0-25A	600.0W	240	0.5	0.5	UL/CUL/TUV/CE/CB/PFC	205.95	177.95	170.95
374257	Mean Well	PSP-600-27	+27V@0-22.2A	600.0W	240	0.5	0.5	UL/CUL/TUV/CE/CB/PFC	205.95	177.95	170.95
374249	Mean Well	PSP-600-48	+48V@0-12.5A	600.0W	240	0.5	0.5	UL/CUL/TUV/CE/CB/PFC	205.95	177.95	170.95

* Primary Output

*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 159.

600 to 1500-Watt Enclosed Switching AC-to-DC Power Supplies

600-Watt Enclosed with Current Sharing

SCN-600 Series: Single Output with Parallel Function

- 100% full-load burn-in • Auto cooling fan • Voltage adjustment: 5% • 3.7 watts/in³ maximum
- Universal AC input: 90-130/180-260VAC @ 47-63Hz • Mating connector: P/N 103588, pg 71 • Two-year warranty
- Working temperature: -10°C to +65°C; (+50°C to -65°C @ 50% load) • Mounting hardware: use P/Ns 222157 & 222173

UL US CB



500, 1000 & 1500-Watt Enclosed with Power Factor Correction & Current Sharing

PSP-500, PSP-1000 & PSP-1500 Series: Single Output

- 100% full-load burn-in • Remote sense and control • Voltage adj.: 10% • Mating connector: P/N 103588, pg 71
- 3.6 watts/in³ maximum • No minimum load required • Auto cooling fan • Working temp.: -10°C to +60°C • Three-year warranty

PSP-500 & PSP-1000: • Parallel operation (current sharing) • Universal AC input: 90-264VAC @ 47-63Hz, 127-370VDC

PSP-1500: • Universal AC input: 176-264VAC @ 47-63Hz, 248-370VDC

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PSP-500

800-Watt Enclosed with Power Factor Correction

SCP-800 Series: Single Output

- Input: 180-260VAC@47-63Hz/260-370VDC • PFC: >0.98@ 230VAC • Power good signal • Three-year warranty
- Forced air cooling by built-in DC fan • With parallel function (N +1) • Working temp.: -20°C to +65°C
- Adjustable from 20% to 100% output voltage by external control 1V to 5V • Mating connector: P/N 103588 or 302877, pg 71
- Short-circuit, overload, overvoltage, overtemperature protection • Built-in remote sense function, and remote ON-OFF function



1000 & 1500-Watt Enclosed with Power Factor Correction

- Universal AC input/full range • Forced air cooling by built-in fan • Built-in remote ON-OFF control
- Working temperature: -20°C to +70°C • Short-circuit, overload, overvoltage, overtemperature protection • Three-year warranty

RSP-1000 Series: Single Output

- 1U low profile (41 mm) • Built-in 5V/0.5A auxiliary power • DC OK signal
- Power density: 10.7W/in³ • Size: 11.6"L x 5"W x 1.6"H

RSP-1500 Series: Single Output, Current Sharing

- ZVS new technology • Built-in 12V/1A auxiliary power • Current sharing up to 6000W (3 + 1)
- 8.3W / inch³ • Size: 10.9"L x 5.0"W x 3.3"H



RSP-1500

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Jameco Part No.	Manufacturer	Product No.	Output		Ripple & Noise (mV p-p)*	Load Reg. (±%)*	Line Reg. (±%)*	Certification	Pricing			QUANTITY SAVE
			Voltage@Current (min-max)	Power					1	10	25	
220249	Mean Well	SCN-600-05	+5V@0-100A	500.0W	100	2	0.5	UL/CUL/CB	\$292.95	\$269.95	\$249.95	
220257	Mean Well	SCN-600-12	+12V@0-50A	600.0W	120	1	0.5	UL/CUL/CB	292.95	269.95	189.95	
220265	Mean Well	SCN-600-24	+24V@0-25A	600.0W	240	1	0.5	UL/CUL/CB	292.95	269.95	249.95	
374062	Mean Well	SCN-600-48	+48V@0-12A	600.0W	480	0.5	0.5	UL/CUL/CB	292.95	269.95	249.95	
202112	Mean Well	PSP-500-5	+5V@0-80A	400.0W	100	2	0.5	UL/CUL/TUV/CE	149.95	139.95	129.95	
190714	Mean Well	PSP-500-12	+12V@0-41.5A at 230VAC; 0-33.2A at 115VAC	498.0W	150	0.5	0.3	UL/CUL/TUV/CE/CB/PFC	259.95	233.95	207.95	
190721	Mean Well	PSP-500-24	+24V@0-20.8A at 230VAC; 0-16.6A at 115VAC	499.2W	150	0.5	0.2	UL/CUL/TUV/CE/CB/PFC	259.95	233.95	207.95	
190731	Mean Well	PSP-500-27	+27V@0-18.5A at 230VAC; 0-14.8A at 115VAC	499.5W	150	0.5	0.2	UL/CUL/TUV/CE/CB/PFC	259.95	233.95	189.95	
190748	Mean Well	PSP-500-48	+48V@0-10.5A at 230VAC; 0-8.4A at 115VAC	504.0W	200	0.5	0.2	UL/CUL/TUV/CE/CB/PFC	199.95	179.95	159.95	
374337	Mean Well	SCP-800-48	+48V@0-16A	768.0W	480	0.5	0.5	UL/CUL/TUV/CE/CB/PFC	407.29	389.63	370.15	
217366	Mean Well	PSP-1000-12	+12V@0-75A at 230VAC; 0-63.8A at 115VAC	900.0W	150	0.5	0.3	UL/CUL/TUV/CE/CB/PFC	499.95	445.95	333.95	
217358	Mean Well	PSP-1000-24	+24V@0-37.6A at 230VAC; 0-32A at 115VAC	902.4W	150	0.5	0.2	UL/CUL/TUV/CE/CB/PFC	549.95	519.95	499.95	
231652	Mean Well	PSP-1000-27	+27V@0-33.6A at 230VAC; 0-28.6A at 115VAC	907.2W	150	0.5	0.2	UL/CUL/TUV/CE/CB/PFC	589.95	519.95	374.76	
217350	Mean Well	PSP-1000-48	+48V@0-19A at 230VAC; 0-16.2A at 115VAC	912.0W	200	0.5	0.2	UL/CUL/TUV/CE/CB/PFC	589.95	519.95	374.76	
1585717	Mean Well	RSP-1000-24	+24V@0-40A	960.0W	150	0.5	0.5	UL/CUL/TUV/CE/CB/PFC	439.95	379.95	359.95	
1585709	Mean Well	RSP-1000-27	+27V@0-37A	999.0W	150	0.5	0.5	UL/CUL/TUV/CE/CB/PFC	439.95	379.95	359.95	
231686	Mean Well	PSP-1500-13.5	+13.5V@0-100.5A	1356.7W	150	0.5	0.3	UL/CUL/TUV/CE/CB/PFC	799.95	759.95	699.95	
373923	Mean Well	PSP-1500-24	+24V@0-56.4A	1353.6W	150	0.5	0.2	UL/CUL/TUV/CE/CB/PFC	799.95	759.95	574.95	
231714	Mean Well	PSP-1500-27	+27V@0-50.4A	1360.8W	150	0.5	0.2	UL/CUL/TUV/CE/CB/PFC	799.95	759.95	699.95	
231722	Mean Well	PSP-1500-48	+48V@0-28.5A	1368.0W	200	0.5	0.2	UL/CUL/TUV/CE/CB/PFC	699.95	649.95	599.95	
694938	Mean Well	RSP-1500-24	+24V@0-63A	1512.0W	150	0.5	0.5	UL/CUL/TUV/CE/CB/PFC	749.95	719.95	689.95	
694946	Mean Well	RSP-1500-27	+27V@0-56A	1512.0W	150	0.5	0.5	UL/CUL/TUV/CE/CB/PFC	775.59	739.95	679.95	
694954	Mean Well	RSP-1500-48	+48V@0-32A	1536.0W	200	0.5	0.5	UL/CUL/TUV/CE/CB/PFC	749.95	719.95	689.95	

* Primary Output

Blue Part No. = Limited Quantity Available

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105

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UL-508



373182 (Fig. 1)



192699 (Fig. 2)



212291 (Fig. 3)



212274 (Fig. 4)



221892 (Fig. 5)



252663 (Fig. 6)



1943300 (Fig. 7)



1943393 (Fig. 8)
Rail not included



1943449 (Fig. 9)
Rail not included



248736
DIN
Mounting
Rail

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SAVE

★ Web Code: RBY

Part No.	Product No.	Fig.	Pwr (W)	Output Volts@Curr.	Input Voltage (VAC @ Hz/VDC)	Input Current @ Maximum Load	Size (L" x W" x H")	Wt. (lbs.)	1	10	25
1952978	MDR-10-12	7	10	12VDC @ 0.84A	85-264 @ 47-63/120-370	0.33A(155V)/0.21A(230V)	3.9 x 0.9 x 3.5	0.4	\$31.95	\$29.95	\$28.75
1952986	MDR-10-24	7	10	24VDC @ 0.42A	85-264 @ 47-63/120-370	0.33A(155V)/0.21A(230V)	3.9 x 0.9 x 3.5	0.4	31.95	29.95	28.75
373174	DR-30-5	1	15	5VDC @ 3A	85-264 @ 47-63/120-370	1.1A(115V)/600mA(230V)	3.1 x 3.7 x 2.2	0.6	41.49	37.29	33.75
1943300	MDR-20-5	7	15	5VDC @ 3A	85-264 @ 47-63/120-370	0.55A(115V)/0.35A(230V)	3.9 x 0.9 x 3.5	0.4	41.49	36.95	33.75
1943342	MDR-20-15	7	20	15VDC @ 1.34A	85-264 @ 47-63/120-370	0.55A(115V)/0.35A(230V)	3.9 x 0.9 x 3.5	0.4	41.49	36.95	33.75
1943334	MDR-20-12	7	20	12VDC @ 1.67A	85-264 @ 47-63/120-370	0.55A(115V)/0.35A(230V)	3.9 x 0.9 x 3.5	0.4	41.49	36.95	33.75
373182	DR-30-12	1	24	12VDC @ 2A	85-264 @ 47-63/120-370	1.1A(115V)/600mA(230V)	3.1 x 3.7 x 2.2	0.6	41.49	36.95	29.95
1943385	MDR-20-24	7	24	24VDC @ 1A	85-264 @ 47-63/120-370	0.55A(115V)/0.35A(230V)	3.9 x 0.9 x 3.5	0.4	41.49	36.95	33.75
212303	DR-4505	2	25	5VDC @ 5A	85-264 @ 47-63/120-370	1.5A(115V)/750mA(230V)	3.0 x 2.6 x 3.6	0.9	46.59	41.95	37.59
1943393	MDR-40-5	8	30	5VDC @ 6A	85-264 @ 47-63/120-370	1.1A(115V)/0.7A(230V)	3.9 x 1.6 x 3.5	0.6	52.95	47.95	42.95
373191	DR-30-15	1	30	15VDC @ 2A	85-264 @ 47-63/120-370	1.1A(115V)/600mA(230V)	3.1 x 3.7 x 2.2	0.6	41.49	36.95	33.75
373212	DR-60-5	1	32.5	5VDC @ 6.5A	85-264 @ 47-63/124-370	1.8A(115V)/1.0A(230V)	3.1 x 3.7 x 2.2	0.7	52.95	47.95	39.95
373203	DR-30-24	1	36	24VDC @ 1.5A	85-264 @ 47-63/120-370	1.1A(115V)/600mA(230V)	3.1 x 3.7 x 2.2	0.6	41.49	36.95	33.75
1943431	MDR-40-48	8	39.8	48VDC @ 0.83A	85-264 @ 47-63/120-370	1.1A(115V)/0.7A(230V)	3.9 x 1.6 x 3.5	0.6	52.95	47.95	42.95
1943406	MDR-40-12	8	40	12VDC @ 3.33A	85-264 @ 47-63/120-370	1.1A(115V)/0.7A(230V)	3.9 x 1.6 x 3.5	0.6	52.95	47.95	42.95
1943422	MDR-40-24	8	40.8	24VDC @ 1.7A	85-264 @ 47-63/120-370	1.1A(115V)/0.7A(230V)	3.9 x 1.6 x 3.5	0.6	52.95	47.95	42.95
192699	DR-4512	2	42	12VDC @ 3.5A	85-264 @ 47-63/120-370	1.5A(115V)/750mA(230V)	3.0 x 2.6 x 3.6	0.7	46.59	41.95	37.59
221875	DR-4515	2	42	15VDC @ 2.8A	85-264 @ 47-63/120-370	1.5A(115V)/750mA(230V)	3.0 x 2.6 x 3.6	0.9	46.59	41.95	37.59
192681	DR-4524	2	48	24VDC @ 2A	85-264 @ 47-63/120-370	1.5A(115V)/750mA(230V)	3.0 x 2.6 x 3.6	0.7	46.59	41.95	37.59
1943449	MDR-60-5	9	50	5VDC @ 10A	85-264 @ 47-63/120-370	1.8A(115V)/1.0A(230V)	3.9 x 1.6 x 3.5	0.7	57.55	51.75	46.55
373230	DR-60-12	1	54	12VDC @ 4.5A	85-264 @ 47-63/124-370	1.8A(115V)/1.0A(230V)	3.1 x 3.7 x 2.2	0.7	52.95	47.95	36.95
1943457	MDR-60-12	9	60	12VDC @ 5A	85-264 @ 47-63/120-370	1.8A(115V)/1.0A(230V)	3.9 x 1.6 x 3.5	0.7	57.55	51.75	46.55
373238	DR-60-15	1	60	15VDC @ 4A	85-264 @ 47-63/124-370	1.8A(115V)/1.0A(230V)	3.1 x 3.7 x 2.2	0.7	52.95	47.95	36.95
373246	DR-60-24	1	60	24VDC @ 2.5A	85-264 @ 47-63/124-370	1.8A(115V)/1.0A(230V)	3.1 x 3.7 x 2.2	0.7	52.95	47.95	43.95
1943465	MDR-60-24	9	60	24VDC @ 2.5A	85-264 @ 47-63/120-370	1.8A(115V)/1.0A(230V)	3.9 x 1.6 x 3.5	0.7	57.55	51.75	46.55
1943473	MDR-60-48	9	60	48VDC @ 1.25A	85-264 @ 47-63/120-370	1.8A(115V)/1.0A(230V)	3.9 x 1.6 x 3.5	0.7	57.55	51.75	46.55
212291	DR-7512	3	75	12VDC @ 6.3A	85-264 @ 47-63/120-370	2.0A(115V)/1.2A(230V)	3.9 x 2.1 x 4.9	1.2	76.95	68.95	61.95
212282	DR-7524	3	75	24VDC @ 3.2A	85-264 @ 47-63/120-370	2.0A(115V)/1.2A(230V)	3.9 x 2.1 x 4.9	1.2	76.95	63.95	61.95
1943481	MDR-100-12	9	90	12VDC @ 7.5A	85-264 @ 47-63/120-370	1.3A(155V)/0.8A(230V)	3.9 x 2.2 x 3.5	0.9	98.95	79.95	68.95
1943490	MDR-100-24	9	90	24VDC @ 4A	85-264 @ 47-63/120-370	1.3A(155V)/0.8A(230V)	3.9 x 2.2 x 3.5	0.9	98.95	79.95	68.95
212274	DR-12012	4	120	12VDC @ 10A	88-132/176-264* @ 47-63	2.8A(115V)/1.7A(230V)	2.6 x 3.9 x 4.9	1.4	88.55	79.55	69.95
212266	DR-12024	4	120	24VDC @ 5A	88-132/176-264* @ 47-63	2.8A(115V)/1.7A(230V)	2.6 x 3.9 x 4.9	1.4	88.55	79.55	69.95
221904	DR-12048	4	120	48VDC @ 2.5A	88-132/176-264* @ 47-63	2.8A(115V)/1.7A(230V)	2.6 x 3.9 x 4.9	1.4	88.55	79.55	69.95
221892	DRP-24024	5	240	24VDC @ 10A	85-264 @ 47-63/120-370	3.5A(115V)/1.8A(230V)	3.9 x 4.9 x 4.9	2.4	153.45	137.95	123.95
373123	DRT-240-24	5	240	24VDC @ 10A	3-phase 340-550 @ 47-63/480-780	0.95A(400V)/0.75A(500V)	3.9 x 4.9 x 4.9	2.9	161.45	144.95	129.95
221883	DRP-24048	5	240	48VDC @ 5.0A	85-264 @ 47-63/120-370	3.5A(115V)/1.8A(230V)	3.9 x 4.9 x 4.9	2.4	153.45	137.95	105.95
252663	DRP-48024	6	480	24VDC @ 20A	180-264 @ 47-63/25-370	4.0A(230V)	8.9 x 3.9 x 4.9	4.6	209.95	189.75	162.95
295938	DRP-480S-24	6	480	24VDC @ 20A	90-132/180-264* @ 47-63/254-370	11.0A(115V)/4.0A(230V)	8.9 x 3.9 x 4.9	4.6	210.95	189.75	162.95
273257	DRT-480-24	6	480	24VDC @ 20A	3-phase 340-550 @ 47-63/480-750	1.7A(400V)/1.3A(500V)	8.9 x 3.9 x 4.9	5.5	206.95	186.26	167.63
301306	DRP-480S-48	6	480	48VDC @ 10A	90-132/180-264* @ 47-63/254-370	11.0A(115V)/4.0A(230V)	8.9 x 3.9 x 4.9	4.6	234.65	210.95	161.24

DIN Mounting Rail

Part No.	Cross Ref. No.	Description	Material	Type	Length	1	10	100
248736	2094.0	Prepunched DIN mounting rail	Zinc bichromate plate steel	TS35 x 7.5	1 meter (39")	\$6.95	\$6.25	\$5.49

* Switch selectable † With Power Factor Correction

***For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above**

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 159.

Precision, Rackmount Power Supplies, Inverters & Converters

13.8VDC Precision Regulated Power Supplies

- Heavy duty 5'8" 3-prong power cord
- Short-circuit protected
- Output mating terminals: see pg 72 for cigarette plugs & pg 140 for banana terminal plugs
- Illuminated rocker switch
- Fuse protected

★ Web Code: YEH

1918745
Cigarette plug



136581
Banana terminal



138668
Banana terminal (rear)



Part No.	Model No.	Manufacturer	Power (W)	Output Volts@Curr.	Input Voltage	Output Terminals	Size (L" x W" x H")	Wt. (lbs.)	1	10	25
1918745	SPS-1204UL	Samlex	46.2	13.2VDC @ 3.5A	120VAC @ 60Hz	Cigarette plug / terminals	5.2 x 4.0 x 2.0	2.0	\$39.95	\$34.95	\$32.95
136581	RPS1207	Samlex	96.6	13.8VDC @ 7A	115VAC @ 60Hz	Banana terminals	8.7 x 5.7 x 3.6	8.5	69.95	59.95	54.95
138668	38-381	Various	138.0	13.8VDC @ 10A	115VAC @ 60Hz	Banana terminals (rear)	7.0 x 6.6 x 4.3	10.0	69.95	62.95	56.95
138676	52-192012	Various	276.0	13.8VDC @ 20A	115VAC @ 60Hz	Banana terminals	10.0 x 7.8 x 4.4	15.9	109.95	99.95	89.95

★ P/N 136581 includes overheating protection

Pure-Sine-Wave DC/AC Inverters

- Output waveform: sine wave
- Thermostatically controlled cooling fan
- Low battery alarm, low battery shutdown, overtemperature, overload, short-circuit, reverse polarity protection
- Output wave form THD: <3%
- Output connector: 3-prong AC receptacle
- Two-year warranty

SAMLEX: • Operating temperature: 0 ~ 40°C • Output voltage: 120VAC (+/-3%) @ 60Hz

Mean Well: • Working temperature: 0 ~ 60°C • Output voltage: 110VAC @ 60Hz

NEW
MARKED IN PINK



1943570



672624



1945479

★ Web Code: XEL

Part No.	Product No.	Manufacturer	Output Power (W)	Efficiency (%)	Input Voltage Range (VDC)	Input Connector	Size (L"xW"xH")	Weight (lbs.)	Pricing	
									1	5
1943570	PST-15S-12A	Samlex	150	85	10.5 - 16.5	Cigarette Lighter Plug	8.3 x 5.8 x 2.6	2.9	\$129.95	\$119.95
672624	PST-30S-12A	Samlex	300	85	10.5 - 16.5	Screwdown terminals	8.4 x 5.8 x 2.6	3.3	175.95	159.95
673467	PST-60S-12A*	Samlex	600	85	10.7 - 16.5	Screwdown terminals	13.2 x 9.3 x 3.3	6.6	275.00	259.95
1945479	TN-1500-112A	Mean Well	1500	87	10.5 - 15.0	Screwdown terminals	16.5 x 8.7 x 3.5	7.5	995.95	895.95
1952425	TS-1000-112AF	Mean Well	1000	88	10.5 - 15.0	Screwdown terminals	15.5 x 7.2 x 2.8	9.5	625.95	599.95
1943545	TS-1500-112A	Mean Well	1500	87	10.5 - 15.0	Screwdown terminals	16.5 x 8.7 x 3.5	7.5	795.95	745.95

* P/Ns 673467/1952425: with built-in GFCI

** Mean Well P/N 1945479: solar panel input w/ UPS function

Rackmount Power Supply

600W Single Output

★ Web Code: MCJ

- AC Input active surge current limiting
- Forced air cooling by built-in DC fan
- Built-in remote sense function
- Input voltage: 90-132VAC/180-264VAC switch selectable
- Short-circuit, overload, overvoltage, overtemperature protection
- Size: 19.5"W x 5.0"D x 3.5"H
- Ripple & noise: 150mVp-p max.
- Very high MTBF

Part No.	Product No.	Output (VDC @ A)	1	10	25
673408	SE-600-48RM	48 @ 12.5	\$255.55	\$242.72	\$230.58

★ This product is a special order, non-cancelable, non-returnable and may take up to 2 weeks to ship.

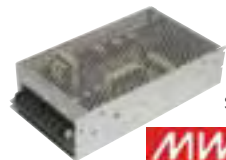
10-Amp Point-Of-Load Converter

SIL10E Series, Single Output

★ Web Code: YBJ

- Planar magnetics technology
- Working temp.: -40°C to 100°C
- Protection: thermal & short-circuit
- Highest power density: 107W/in³
- Input: 4.5V-5.5V
- Very high MTBF
- 96% efficiency at 3.3V
- Remote sense
- Output: 0.8-3.6V @ 10A

Part No.	Product No.	Power	Pins	1	10
219117	SIL10E-05W3V3-V	33W	11	\$23.95	\$20.95



SD150



Performance
at Value Prices

25 to 150-Watt Enclosed Converters

- Input filter: Pi-network
- Working temperature: -10°C to +60°C
- 2:1 wide input range
- Protection: short-circuit, overload and overvoltage
- Shielded metal case
- 100% burn-in test
- One-year warranty

25-Watt SD-25 Series: Single Output

• Isolation voltage: 500VDC

50, 100 & 150-Watt SD-50, SD-100 & SD-150 Series: Single Output

• Isolation voltage: 1500VDC • Mounting hardware: use P/Ns 222157 & 222173 (see web)

★ Web Code: UBC

Jameco Part No.	Product No.	Input Range	Output		Size (L"xW"xH")	Pins	Line Reg. (±%)	Load Reg. (±%)	Ripple & Noise (mV p-p)	Pricing			
			Voltage@Current	Power						1	10	25	100
175662	SD-25A-5	9-18V	+5V@5000mA	25.0W	3.9x3.8x1.4	5	0.5	0.5	100	\$41.55	\$32.95	\$28.95	\$27.75
175805	SD-25A-12	9-18V	+12V@2100mA	25.2W	3.9x3.8x1.4	5	0.3	0.3	120	41.55	32.95	28.95	27.75
175813	SD-25A-24	9-18V	+24V@1100mA	26.4W	3.9x3.8x1.4	5	0.2	0.2	150	41.55	32.95	28.95	27.75
212549	SD-50A-5	9-18V	+5V@10A	50.0W	6.3x3.8x1.5	5	0.5	0.5	100	39.95	35.95	32.95	29.95
212531	SD-50B-12	19-36V	+12V@4.2A	50.4W	6.3x3.8x1.5	5	0.3	0.3	120	49.95	38.95	34.95	31.95
212514	SD-50B-24	19-36V	+24V@2.1A	50.4W	6.3x3.8x1.5	5	0.2	0.2	150	49.95	38.95	34.95	31.95
212506	SD-50C-12	36-72V	+12V@4.2A	50.4W	6.3x3.8x1.5	5	0.3	0.3	120	49.95	38.95	34.95	31.95
212469	SD-100C-12	36-72V	+12V@8.5A	102.0W	7.8x3.9x1.5	7	0.3	0.3	120	69.75	63.55	56.95	48.95
217270	SD-150B-12	19-36V	+12V@12.5A	150.0W	7.8x4.3x2.0	7	0.5	0.5	120	89.95	79.95	69.95	55.95

★ For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 159.



Order by Phone 24/7 at 1-800-831-4242 or Online at www.Jameco.com

2 to 40-Watt Encapsulated DC-to-DC Converters



2 to 40-Watt Encapsulated Converters



PDL02



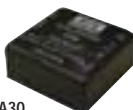
SLW05



FKC08



FEC40



TKA30

2-Watt PDL02 Series: Single Output

- SIP package
- External on/off control
- 2:1 wide input voltage range
- Continuous
- UL94V-0 case potting material
- Fixed switching frequency
- Two-year warranty

3, 5 & 10-Watt SCW03, DCW03, SLW05, SKE10 & DKE10 Series: Single & Dual Outputs

- Regulated
- Working temperature: -15°C to +60°C
- Isolation voltage: 1000VDC
- 2:1 wide input range
- Two-year warranty



8-Watt FKC08 Series: Single Output

- Standard DIP package (24-pin)
- 2:1 wide input voltage range
- Fixed switching frequency
- Two-year warranty

15, 20, 30 & 40-Watt FEC15, FED20, FEC30 & FEC40 Series: Single Output

- 2:1 & 4:1 wide input voltage range (depending on model)
- Fixed switching frequency
- Two-year warranty

15-Watt SKE15 & DKE15 Series: Single & Dual Outputs

- Isolation voltage: 1000VDC
- Working temp.: -15°C to +60°C
- Free-air convection cooling
- 2:1 wide input range
- Regulated
- Two-year warranty



20 & 30-Watt TKB20 & TKA30: Dual Outputs

- Isolation voltage: 1000VDC
- Working temp.: -40° to +71°C
- Protection: short-circuit & overload
- Two-year warranty



★ Web Code: NAX

Jameco Part No.	Manufacturer	Product No.	Input Range	Output		Size Inches (L"xW"xH")	Pins	Line Reg. (±%)	Load Reg. (±%)	Ripple & Noise (mV p-p)	Pricing				QUANTITY 1000
				Voltage@Current	Power						1	10	25	100	
1943748	Power Mate	PDL02-05S3P3	4.5-9	+3.3V@500mA	2W	0.86x0.36x0.44	7	0.5	0.85	50	\$15.95	\$14.75	\$13.35	\$12.95	
1943772	Power Mate	PDL02-12S05	9-18	+5V@400mA	2W	0.86x0.36x0.44	7	0.5	0.75	50	15.95	14.75	13.35	12.95	
213269	Mean Well	SCW03A-05	9-18V	+5V@600mA	3W	1.25x0.8x0.48	10	1.0	0.5	100	16.95	16.23	15.22	14.20	
155919	Mean Well	DCW03A-05	9-18V	+5V@300mA; -5V@300mA	3W	1.25x0.8x0.48	10	1.0	0.5	100	21.25	20.17	19.16	18.20	
161702	Mean Well	DCW03A-12	9-18V	+12V@125mA; -12V@125mA	3W	1.25x0.8x0.48	10	1.0	0.5	100	22.19	20.02	18.01	16.21	
220354	Mean Well	SLW05A-033	9-18V	+3.3V@1500mA	5W	2.0x1.0x0.44	5	0.2	0.5	100	25.15	22.62	20.37	18.32	
216929	Mean Well	SLW05A-05	9-18V	+5V@1000mA	5W	2.0x1.0x0.44	5	1.0	0.2	100	27.95	23.95	21.95	19.95	
216882	Mean Well	SLW05A-15	9-18V	+15V@333mA	5W	2.0x1.0x0.44	5	1.0	0.2	100	24.95	22.40	20.20	18.20	
216937	Mean Well	SLW05B-05	18-36V	+5V@100mA	5W	2.0x1.0x0.44	5	1.0	0.2	100	25.95	22.95	20.95	18.95	
216911	Mean Well	SLW05B-12	18-36V	+12V@417mA	5W	2.0x1.0x0.44	5	1.0	0.2	100	24.95	22.46	17.97	13.48	
213234	Mean Well	SLW05C-05	36-72V	+5V@1000mA	5W	2.0x1.0x0.44	5	1.0	0.2	100	19.49	17.52	15.76	14.19	
1943799	Power Mate	FKC08-12S3P3	9-18	+3.3V@2000mA	8W	1.25x0.8x0.4	9	0.2	0.5	50	33.95	32.95	29.95	27.95	
1943844	Power Mate	FKC08-24S12W	9-36	+12V@666mA	8W	1.25x0.8x0.4	9	0.2	0.5	50	33.95	32.95	29.95	27.95	
216962	Mean Well	SKE10A-05	9-18V	+5V@2000mA	10W	2.0x1.0x0.44	5	0.3	1.0	50	35.95	31.95	29.95	26.95	
216953	Mean Well	SKE10B-05	18-36V	+5V@2000mA	10W	2.0x1.0x0.44	5	0.3	0.5	50	36.35	34.80	32.54	30.26	
217024	Mean Well	SKE10B-12	18-36V	+12V@840mA	10W	2.0x1.0x0.44	5	0.3	0.5	60	35.95	32.95	25.95	19.35	
216945	Mean Well	SKE10C-05	36-72V	+5V@2000mA	10W	2.0x1.0x0.44	5	0.3	1.0	50	35.95	30.95	27.95	20.42	
217032	Mean Well	DKE10A-05	9-18V	+5V@1000mA; -5V@1000mA	10W	2.0x1.0x0.44	5	0.3	0.5	50	38.09	34.29	27.42	20.57	
217092	Mean Well	DKE10A-12	9-18V	+12V@420mA; -12V@420mA	10W	2.0x1.0x0.44	5	0.3	0.5	60	34.95	29.95	24.95	19.64	
217112	Mean Well	DKE10A-15	9-18V	+15V@333mA; -15V@333mA	10W	2.0x1.0x0.44	5	0.3	0.5	60	36.69	35.16	32.87	27.94	
217075	Mean Well	DKE10B-15	18-36V	+15V@333mA; -15V@333mA	10W	2.0x1.0x0.44	5	0.3	0.5	60	36.69	35.16	32.87	24.65	
155716	Mean Well	SKE15A-05	9-18V	+5V@3000mA	15W	2.0x2.0x0.43	5	0.3	0.5	50	33.95	31.95	29.95	25.95	
155708	Mean Well	SKE15A-12	9-18V	+12V@1250mA	15W	2.0x2.0x0.43	5	0.3	0.5	60	34.95	31.19	28.15	25.35	
155695	Mean Well	SKE15A-24	9-18V	+24V@625mA	15W	2.0x2.0x0.43	5	0.3	0.5	80	34.95	31.49	28.15	25.35	
213277	Mean Well	SKE15B-05	18-36V	+5V@3000mA	15W	2.0x2.0x0.43	5	0.3	0.5	50	33.99	32.65	30.61	27.54	
213285	Mean Well	SKE15B-12	18-36V	+12V@1250mA	15W	2.0x2.0x0.43	5	0.3	0.5	60	33.95	32.45	29.95	27.95	
213293	Mean Well	DKE15A-24	9-18V	+24V@313mA; -24V@313mA	15W	2.0x2.0x0.43	5	0.3	0.5	80	32.95	29.66	23.73	21.59	
1944071	Power Mate	FEC15-24S3P3	18-36	+3.3V@4000mA	15W	2.0x1.0x0.4	6	0.5	0.5	50	45.95	43.95	41.95	39.95	
1944100	Power Mate	FED20-24S05	18-36	+5V@4000mA	20W	2.0x1.0x0.4	6	0.2	0.5	75	50.95	47.95	44.95	42.95	
1944302	Power Mate	FED20-24S12	18-36	+12V@1670mA	20W	2.0x1.0x0.4	6	0.2	0.5	75	50.95	47.95	44.95	42.95	
217648	Mean Well	TKB20C-B	36-72	+5V@2500mA; ±12V@310mA	20W	1.2x2.0x0.82	8	0.2	0.2	100	40.79	36.68	33.72	32.25	
217728	Mean Well	TKA30B-C	18-36V	+5V@3500mA; ±15V@250mA	25W	2.0x2.0x0.82	8	0.2	0.2	100	49.95	44.95	39.95	37.95	
217681	Mean Well	TKA30C-B	36-72V	+5V@3500mA; ±12V@310mA	25W	2.0x2.0x0.82	8	0.2	0.2	100	39.95	35.95	32.95	29.95	
1945516	Power Mate	FEC30-24S05W	10-40	+5V@6000mA	30W	2.0x1.6x0.4	7	0.5	0.5	75	76.95	71.95	67.95	64.95	
1945524	Power Mate	FEC30-24S12W	10-40	+12V@2500mA	30W	2.0x1.6x0.4	7	0.5	0.5	100	76.95	72.95	68.95	65.95	
1945541	Power Mate	FEC40-24S05W	9-36	+5V@8000mA	40W	2.0x2.0x0.4	9	0.2	0.5	50	83.95	79.95	75.95	69.95	
1945559	Power Mate	FEC40-24S12W	9-36	+12V@3333mA	40W	2.0x2.0x0.4	9	0.2	0.5	75	83.95	79.95	75.95	69.95	

Blue Part No. = Limited Quantity Available

* For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 159.

AC-to-DC Regulated & Unregulated Table-Top Power Supplies

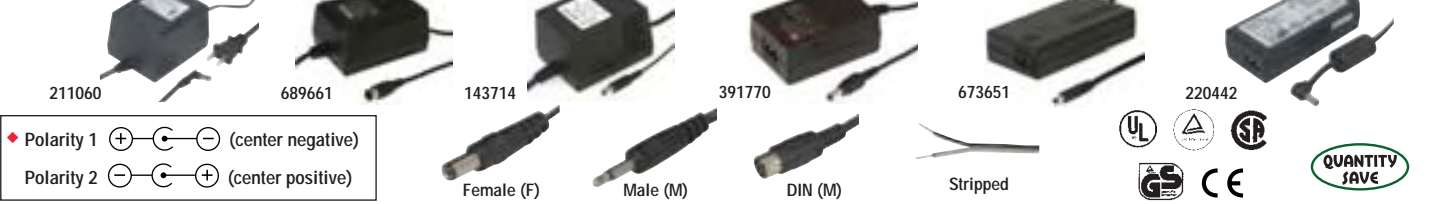
See page 120 for International Power Cords

AC-to-DC Regulated Linear & Unregulated Table-Top Power Supplies

We will change any power plug (pg 72) on any table-top power supply (100 pc. minimum) for a small additional charge.

NEW
MARKED IN PINK

• Color: black



Power	Part Number	Manufacturer ▲	Product Number ▲	Pwr (W)	Output		Input VAC@Hz	Output Connector		LED Ind.	Size (L" x W" x H")	Cords* (DC/AC)	Wt. (lbs.)	Agency Approvals	Pricing			
					Volts (VDC)/ Current (A)			ID x OD/F = female; M = male; Polarity ◆							1	10	50	100
2-Wire AC Input – Regulated Linear Table-Top													★Web Code: CEM					
3.75-24	664261	Intermec	062035	3.75	+5/0.75	120@60	4-pin DIN M	No	4.4 x 2.5 x 2.0	6'/6'	1.6	UL/CSA	\$7.95	\$6.95	\$5.95	\$4.95		
	211060	Pacific Data	DV-51AAT	5	+5/1	120@60	2.1mm x 5.5mm F 2↑	No	3.4 x 2.7 x 2.2	6'/6'/6'	1.7	UL/CSA	11.95	10.95	9.95	8.95		
	174845	Jameco ReliaPro	DCR2410F12	24	+24/1	120@60	2.1mm x 5.5mm F 2	No	4.4 x 3.0 x 2.5	6'/6'	2.6	UL	17.95	15.95	13.95	10.95		
3-Wire AC Input – Regulated Linear Table-Top																		
30-55	689661	Regal	R1JG-5500	30	+5/1; -5/0.5	120@60	5-pin DIN M	No	5.1 x 3.6 x 2.8	6'/6'	2.7	UL	\$14.95	\$13.49	\$11.95	\$9.95		
	689653	Regal	RJM-551228	55	+5/0.9; -5/0.2; +12/0.62; -28/0.16	120@60	6-pin DIN M	No	5.1 x 3.6 x 2.8	6'/6'	1.3	CUL	14.95	13.49	11.95	9.95		
2-Wire AC Input – Unregulated Table-Top													★Web Code: TBE					
9-29 Watts	190051	APS	APS48EA114	10	+7/1.5	120@60	2.5mm x 5.5mm F 2	No	3.4 x 2.3 x 1.9	6'/6'	1.9	UL/CUL	\$8.95	\$7.95	\$6.95	\$4.95		
	243109	Regal	JK-91001-N	9	+9/1.0	120@60	Stripped & Tinned	No	3.3 x 2.2 x 1.9	6'/6'	1.2	UL/CSA	8.95	7.95	6.95	4.95		
	136565	Jameco ReliaPro	DDC1210P	12	+12/1.0	120@60	Stripped & Tinned	No	3.2 x 2.2 x 1.9	6'/6'	1.2	—	15.35	13.82	11.05	9.95		
	140880	Jameco ReliaPro	DC1215ST	18	+12/1.5	120@60	Stripped & Tinned	No	3.1 x 2.1 x 1.9	6'/6'	1.5	UL	16.95	14.27	12.10	9.08		
	143714	Horizon	DC1220F1	24	+12/2.0	120@60	2.1mm x 5.5mm F 2	No	3.8 x 2.8 x 2.3	6'/6'	2.2	CUL-No UL	19.75	17.76	15.99	14.39		
	143722	Jameco ReliaPro	DC1220F5	24	+12/2.0	120@60	2.5mm x 5.5mm F 2	No	3.8 x 2.8 x 2.3	6'/6'	2.2	UL/CUL	18.19	14.55	12.73	9.55		
	143731	Jameco ReliaPro	DC1220M3	24	+12/2.0	120@60	3.5mm M 2	No	3.8 x 2.8 x 2.3	6'/6'	1.9	CUL-No UL	15.49	13.95	11.15	8.39		
	139096	Jameco ReliaPro	DC2412F1	29	+24/1.2	120@60	2.1mm x 5.5mm F 2	No	4.4 x 3.1 x 2.6	6'/6'	2.5	—	18.49	16.79	15.29	11.47		
2-Wire AC Input – Regulated Switching Table-Top													★Web Code: DDZ					
15-24 Watts	1586242	Phihong	PSAA15W-050-R	15	+5/3.0	100-240@50-60	2.1mm x 5.5mm F 2	No	3.2 x 2.0 x 1.2	6'/1	—	UL/CUL/TUV/CE	\$20.49	\$18.72	\$17.31	\$15.90		
	379612	Mean Well	ES25B05-P1JU	20	+5/4.0	100-240@50-60	2.1mm x 5.5mm F 2	Yes	3.1 x 2.1 x 1.3	6'/6'	0.5	UL/CSA/TUV/CE	17.95	15.95	13.95	11.95		
	380621	Mean Well	ES25B05-P1MU	20	+5/4.0	90-264@47-63	2.5mm x 5.5mm F 2	Yes	3.1 x 2.1 x 1.3	6'/6'	0.5	UL/CSA/TUV/CE	18.95	16.95	14.95	13.95		
	1707067	Mean Well	ES25B07-P1J	22	+7.5/2.93	100-240@50-60	2.1mm x 5.5mm F 2	Yes	3.1 x 2.1 x 1.3	6'/1	0.4	UL/CUL/TUV/CE	14.95	13.49	11.95	9.95		
	195806	Horizon	DCR920F12	18	+9/2.0	100-240@50-60	2.1mm x 5.5mm F 2	Yes	4.2 x 2.6 x 1.4	6'/6'	0.9	UL/CUL/TUV/CE	22.95	20.95	19.95	18.95		
	195768	Mean Well	DCR920F52	18	+9/2.0	100-240@50-60	2.5mm x 5.5mm F 2	Yes	4.3 x 2.6 x 1.4	6'/6'	0.9	UL/CUL/TUV/CE	23.65	21.48	19.85	18.86		
	1950905	APS	AD715U-1121	15	+12/1.2	100-240@50-60	2.5mm x 5.5mm F 2	No	3.7 x 2.1 x 1.3	6'/1	0.5	UL/CUL/TUV/CE	10.95	8.95	6.95	5.95		
	1586251	Phihong	PSAA15W-120-R	15	+12/1.25	100-240@50-60	2.1mm x 5.5mm F 2	No	3.2 x 2.0 x 1.2	6'/3	—	UL/CUL/TUV/CE	20.49	18.72	17.31	15.90		
	391770	Mean Well	ES18B12-P1JU	18	+12/1.5	100-240@50-60	2.1mm x 5.5mm F 2	Yes	3.1 x 2.1 x 1.3	6'/6'	0.5	UL/CSA/TUV/CE	24.79	22.74	19.70	19.55		
	1943043	Fairway	VE15B-120	18	+12/1.5	100-240@50-60	2.1mm x 5.5mm F 2	No	3.1 x 2.1 x 1.1	6'/1	0.5	UL/CE/TUV	15.95	13.95	12.49	10.95		
	673651	Artesyn	SSL20C-7612	20	+12/1.67	100-240@50-60	2.5mm x 5.5mm F 2	No	4.6 x 2.4 x 1.1	3'3'/1	0.4	UL/CSA/VDE	12.95	10.95	8.95	6.95		
	1537555	APD	DA-24B12	24	+12/2.0	100-240@47-63	2.5mm x 5.5mm F 2	No	3.6 x 2.2 x 1.3	6'/1	0.4	UL/CUL/TUV/CE	14.95	13.49	11.95	9.95		
	1707075	Mean Well	ES18B28-P1J	18	+28/0.64	100-240@50-60	2.1mm x 5.5mm F 2	Yes	3.1 x 2.1 x 1.3	6'/1	0.5	UL/CUL/TUV/CE	12.95	10.95	9.95	8.95		
	196138	DVE	DSA-0283A	23	+5/1; +12/1.49; -5/0.43	100-240@47-63	5-pin DIN M	No	4.9 x 2.7 x 1.5	6'/1	0.8	UL/CSA/TUV	10.95	8.95	7.95	6.95		
25-50 Watts	379939	Mean Well	ES25B09-P1JU	25	+9/2.78	100-240@50-60	2.1mm x 5.5mm F 2	Yes	3.1 x 2.1 x 1.3	6'/6'	0.5	UL/CSA/TUV/CE	19.95	17.95	15.95	13.95		
	380681	Mean Well	ES25B09-P1MU	25	+9/2.78	90-264@47-63	2.5mm x 5.5mm F 2	Yes	3.1 x 2.1 x 1.3	6'/6'	0.5	UL/CSA/TUV/CE	24.85	22.22	19.45	18.53		
	379947	Mean Well	ES25B12-P1JU	25	+12/2.08	100-240@50-60	2.1mm x 5.5mm F 2	Yes	3.1 x 2.1 x 1.3	6'/6'	0.5	UL/CSA/TUV/CE	23.35	20.88	18.27	17.41		
	377942	Mean Well	P30B-3P2JU	27	+12/2.25	100-240@50-60	2.1mm x 5.5mm F 2	Yes	4.3 x 2.6 x 1.4	6'/6'	0.7	UL/CSA/TUV/CE	32.39	28.95	28.09	27.24		
	220442	Jameco ReliaPro	SL120300RT	36	+12/3.0	100-240@50-60	2.5mm x 5.5mm F 2↑	Yes	4.3 x 2.0 x 1.2	6'/1	0.6	UL/CUL/TUV/CE	29.95	26.95	21.95	19.95		
	1586306	Phihong	PSC60W-120-R	50	+12/4.16	100-240@50-60	2.1mm x 5.5mm F 2	Yes	4.0 x 2.5 x 1.3	5'/1	—	UL/CUL/TUV/CE	36.55	33.37	30.75	29.21		
	1707104	Mean Well	ES25B48-P1J	25	+15/1.66	100-240@50-60	2.1mm x 5.5mm F 2	Yes	3.2 x 2.1 x 1.3	6'/1	0.4	UL/CUL/TUV/CE	10.95	9.95	8.95	7.95		
	379972	Mean Well	ES25B24-P1JU	25	+24/1.04	100-240@50-60	2.1mm x 5.5mm F 2	Yes	3.1 x 2.1 x 1.3	6'/6'	0.5	UL/CSA/TUV/CE	22.75	20.39	17.85	17.00		
	221613	Mean Well	P30B-6P2JU	27	+24/1.1	100-240@50-60	2.1mm x 5.5mm F 2	Yes	4.3 x 2.6 x 1.4	6'/6'	0.8	UL/CUL/TUV/CE	28.79	25.92	23.29	21.08		
	1953815	SR Comp	DC24-1.2	29	+24/1.2	120@60	2.1mm x 5.5mm F 2	No	4.5 x 3.4 x 2.6	5'/6'	0.7	UL	19.95	17.95	15.95	13.95		
205911	Delta	ADP-25HB	25	+30/0.83	100-125@50-60	2.1mm x 5.5mm F 2	No	3.5 x 2.4 x 1.2	6'/7'	1.1	UL/CUL	10.95	9.95	8.95	7.95			
1707139	Mean Well	ES25B48-P1J	25	+48/0.52	100-240@50-60	2.1mm x 5.5mm F 2	Yes	3.1 x 2.1 x 1.3	6'/1	0.4	UL/CUL/TUV/CE	14.95	13.49	11.95	9.95			

* See accessory table-top power cord chart below when AC cord needed; refer to 1, 2 or 3 in "Cord (DC/AC)" column above for correct power cord. 3-Wire Regulated Table-Top Power Supplies on Next Page
† Right angle ▲ Manufacturer and product number may vary except for ReliaPro, Mean Well and Phihong ◆ Blue Part No. = Limited Quantity Available

Accessory Power Input Cords for Table-Top Power Supplies										★ Web Code: RBE			
Part No.	Ref. No. *	Description	Color	AWG	Certification	Cord Length	Wt. (lbs.)	Cord Type		1	10	50	100
189587	1	2-conductor power cord (Figure 8 style)	Black	18/2	UL/CSA	6'	0.3	SPT		\$1.99	\$1.89	\$1.79	\$1.65
38050	2	3-conductor power cord	Black	18/3	UL/CSA	6'	0.4	SVT		4.85	4.59	3.69	3.09
1951123	3	3-conductor power cord (Mickey Mouse style)	Black	18/3	UL/CSA	6'	0.4	SVT		4.95	4.49	3.95	3.59

* For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 159.

AC-to-DC Regulated Switching Table-Top Power Supplies

3 LEVELS OF SAVINGS
FRANCHISE SOURCED
GENERIC HOUSE BRANDS
FACTORY OVERRUN

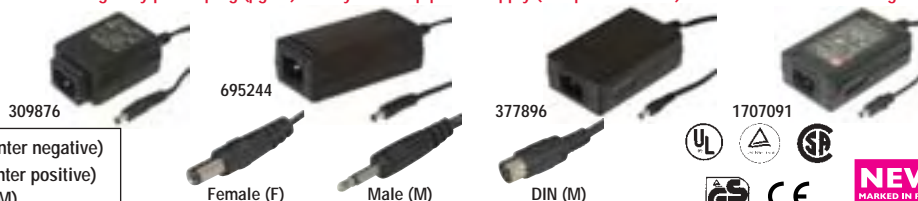
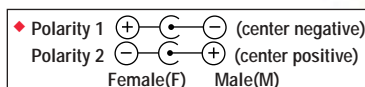
AC-to-DC Regulated Switching Table-Top Power Supplies

We will change any power plug (pg 72) on any table-top power supply (100 pc. minimum) for a small additional charge.

*Web Code: DDZ

• Color: black

See page 120 for International Power Cords



We will change any power plug (pg 72) on any table-top power supply (100 pc. minimum) for a small additional charge.

Power	Part Number	Manufacturer ▲	Product Number ▲	Output		Input VAC@Hz	Output Connector ID x OD mm Female/Male; Polarity ♦	LED Ind.	Size (L" x W" x H")	Cords* (DC/AC)	Wt. (lbs.)	Agency Approvals	Pricing			
				Pwr (W)	Volts (VDC)/ Current (A)								1	10	50	100
3-Wire AC Input – Regulated Switching																
5-20 Watt	1928863	DVE	DSA0210D-03	13.2	+3.3/4.0	100-240@50-60	2.5mm x 5.5mm F 2	No	3.9 x 2.0 x 1.4	4' 2	0.5	UL/CUL/TUV/CE	\$14.95	\$13.49	\$11.95	\$10.95
	308700	Be-Well	ZD0001F	5	+5/1.0	100-240@50-60	2.1mm x 5.5mm F 2	No	4.2 x 2.0 x 1.6	6' 2	0.4	UL/CUL/TUV/CE	9.95	8.95	7.95	6.95
	1918737	Magtech	SPU15A-102	5	+5/1.0	100-240@47-63	2.5mm x 5.5mm F 2	Yes	3.6 x 1.5 x 1.4	6' 2	0.4	UL/CUL/TUV/CE	11.95	10.95	8.95	7.95
	1952169	Go Forward	91-58414	10	+5/2.0	100-240@50-60	1.3mm x 3.5mm F 2	No	2.6 x 1.9 x 1.3	6' 2	0.4	UL/CUL/TUV/CE	12.95	11.49	10.49	8.49
	309876	Go Forward	G112-USO520	10	+5/2.0	100-240@50-60	2.1mm x 5.5mm F 2	No	2.6 x 1.9 x 1.3	6' 2	0.4	UL/CUL/TUV/CE	13.95	12.49	10.95	9.95
	196218	GlobTek	GT210891005T3	10	+5/2.0	120-240@50-60	2.1mm x 5.5mm F 2	No	3.4 x 1.9 x 1.3	6' 2	0.4	UL/CUL/TUV/CE	19.95	17.95	16.15	12.11
	695244	DVE	DSA-0151D-05	12	+5/2.4	100-240@47-63	2.5mm x 5.5mm F 2	No	3.9 x 2.0 x 1.4	6' 2	0.5	UL/CUL/TUV/CE	14.95	13.49	11.95	9.95
	377845	Mean Well	ES18A05-P1JU	15	+5/3.0	100-240@50-60	2.1mm x 5.5mm F 2	Yes	3.7 x 2.1 x 1.4	6' 6	0.6	UL/CSA/TUV/CE	23.59	21.59	18.79	13.95
	379720	Mean Well	ES18A05-P1MU	15	+5/3.0	100-240@50-60	2.5mm x 5.5mm F 2	Yes	3.7 x 2.1 x 1.4	6' 6	0.6	UL/CSA/TUV/CE	26.39	22.32	19.35	18.38
	1940387	Mean Well	GS18A05-P1JU	15	+5/3.0	100-240@50-60	2.1mm x 5.5mm F 2	Yes	3.7 x 2.1 x 1.4	4' 6	0.5	UL/CUL/TUV/CE	23.95	21.55	16.55	15.95
	380471	Mean Well	ES25A05-P1MU	20	+5/4.0	100-240@50-60	2.5mm x 5.5mm F 2	Yes	3.7 x 2.1 x 1.4	6' 6	0.6	UL/CSA/TUV/CE	22.39	20.92	19.88	18.09
	213584	Mean Well	P30A-1P2JU	20	+5/4.0	100-240@50-60	2.1mm x 5.5mm F 2	Yes	4.3 x 2.6 x 1.4	6' 6	0.7	UL/CUL/TUV/CE	25.69	22.95	20.95	19.95
	1940571	Mean Well	GS25A05-P1JU	20	+5/4.0	100-240@50-60	2.1mm x 5.5mm F 2	Yes	3.7 x 2.1 x 1.4	4' 6	0.5	UL/CUL/TUV/CE	27.25	25.95	24.57	22.99
	1586269	Phihong	PSC30U-050-R	20	+5/4.0	100-240@50-60	2.1mm x 5.5mm F 2	No	3.9 x 2.2 x 1.2	6' 2	0.6	UL/CUL/TUV/CE	29.95	26.95	24.95	22.95
	377862	Mean Well	ES18A09-P1JU	18	+9/2.0	100-240@50-60	2.1mm x 5.5mm F 2	Yes	3.7 x 2.1 x 1.4	6' 2	0.6	UL/CSA/TUV/CE	24.79	22.74	19.70	19.55
	379736	Mean Well	ES18A09-P1MU	18	+9/2.0	100-240@50-60	2.5mm x 5.5mm F 2	Yes	3.7 x 2.1 x 1.4	6' 6	0.6	UL/CSA/TUV/CE	20.65	18.95	16.41	16.29
	1928417	Mean Well	G112-US1210	12	+12/1.0	100-240@50-60	2.1mm x 5.5mm F 2	No	2.9 x 1.9 x 1.3	6' 2	0.3	UL/CSA/TUV/CE	14.95	13.49	11.95	10.95
	228989	Phihong	PSA18U-120	18	+12/1.5	100-240@50-60	2.1mm x 5.5mm F 2	No	3.9 x 2.2 x 1.2	6' 2	0.5	UL/CUL/TUV/CE	25.95	23.95	20.95	19.95
	376623	Mean Well	ES18A12-P1JU	18	+12/1.5	100-240@50-60	2.1mm x 5.5mm F 2	Yes	3.7 x 2.1 x 1.4	6' 6	0.6	UL/CSA/TUV/CE	24.79	22.74	19.70	19.55
	1928425	ITE	NL20-120160-11	19	+12/1.6	100-240@50-60	2.1mm x 5.5mm F 2	Yes	4.3 x 1.8 x 1.2	6' 2	0.2	UL/CSA/TUV/CE	14.95	13.49	11.95	10.95
1940416	Mean Well	GS18A12-P1JU	18	+12/1.5	100-240@50-60	2.1mm x 5.5mm F 2	Yes	3.7 x 2.1 x 1.4	6' 6	0.5	UL/CUL/TUV/CE	23.95	21.55	16.55	15.95	
616216	Various	UP01831120	18	+12/1.5	90-264@50-60	2.5mm x 1.5mm F 2	No	3.7 x 2.3 x 1.4	6' 2	0.5	UL/CUL/TUV/CE	14.95	13.95	12.95	11.95	
1537432	Eng Electric	EPA-201D-12	20	+12/1.66	100-240@50-60	2.1mm x 5.5mm F 2	Yes	4.3 x 2.4 x 1.3	6' 2	0.2	UL/CUL/TUV/CE	24.95	22.49	19.95	17.95	
1940432	Mean Well	GS18A15-P1JU	18	+15/1.2	100-240@50-60	2.1mm x 5.5mm F 2	Yes	3.7 x 2.1 x 1.4	6' 6	0.5	UL/CUL/TUV/CE	23.95	21.55	16.55	15.95	
1940459	Mean Well	GS18A24-P1JU	18	+24/0.75	100-240@50-60	2.1mm x 5.5mm F 2	Yes	3.7 x 2.1 x 1.4	6' 6	0.5	UL/CUL/TUV/CE	25.95	22.95	17.95	16.95	
1707083	Mean Well	ES18A28-P1J	18	+28/0.64	100-264@47-63	2.1mm x 5.5mm F 2	Yes	3.7 x 2.1 x 1.4	6' 2	0.5	UL/CUL/TUV/CB/CE	24.95	22.49	19.95	17.95	
23-27 Watt	1952337	Mean Well	GS40A05-P1JU	25	+5/5.0	90-264@47-63	2.1mm x 5.5mm F 2	Yes	4.9 x 2.0 x 1.2	4' 2	0.7	UL/CSA/TUV/CE	39.95	37.95	34.55	32.95
	213576	Mean Well	P40A-1P2JU	25	+5/5.0	100-240@50-60	2.1mm x 5.5mm F 2	Yes	4.3 x 2.6 x 1.4	6' 6	0.7	UL/CUL/TUV/CE	32.95	29.66	23.72	21.03
	377908	Mean Well	P30A-1-1P2JU	23	+7.5/3.06	90-264@47-63	2.1mm x 5.5mm F 2	Yes	4.3 x 2.6 x 1.4	6' 6	0.6	UL/CSA/TUV/CE	24.79	22.81	21.73	20.63
	379751	Mean Well	P30A-1-P2MU	23	+7.5/3.06	90-264@47-63	2.5mm x 5.5mm F 2	Yes	4.3 x 2.6 x 1.4	6' 6	0.7	UL/CSA/TUV/CE	24.95	22.49	19.95	17.95
	211027	Mean Well	KA52B25-MODU	25	+9/2.78	100-240@47-63	2.1mm x 5.5mm F 2	No	4.2 x 2.6 x 1.5	6' 2	0.9	CSA/TUV/CE	14.95	13.49	11.95	10.95
	379779	Mean Well	ES25A12-P1JU	25	+12/2.08	100-240@50-60	2.1mm x 5.5mm F 2	Yes	3.7 x 2.1 x 1.4	6' 6	0.6	UL/CSA/TUV/CE	23.89	21.41	18.74	14.06
	380534	Mean Well	ES25A12-P1MU	25	+12/2.08	100-240@50-60	2.5mm x 5.5mm F 2	Yes	3.7 x 2.1 x 1.4	6' 6	0.6	UL/CSA/TUV/CE	24.95	22.95	19.95	18.09
	1940601	Mean Well	GS25A12-P1JU	25	+12/2.08	100-240@50-60	2.1mm x 5.5mm F 2	Yes	3.7 x 2.1 x 1.4	4' 6	0.5	UL/CUL/TUV/CE	24.95	22.95	17.55	16.95
	1950884	APS	AD725U-1120A	25	+12/2.1	100-240@50-60	2.1mm x 5.5mm F 2	No	3.8 x 2.1 x 1.3	6' 2	0.5	UL/CUL/TUV/CE	19.95	17.95	15.95	13.95
	377896	Mean Well	P30A-3P2JU	27	+12/2.25	100-240@50-60	2.1mm x 5.5mm F 2	Yes	4.3 x 2.6 x 1.4	6' 6	0.6	UL/CSA/TUV/CE	26.99	24.85	23.66	22.47
	379824	Mean Well	ES25A15-P1JU	25	+15/1.66	100-240@50-60	2.1mm x 5.5mm F 2	Yes	3.7 x 2.1 x 1.4	6' 6	0.6	UL/CSA/TUV/CE	18.95	15.95	14.49	13.49
	1940619	Mean Well	GS25A15-P1JU	25	+15/1.66	100-240@50-60	2.1mm x 5.5mm F 2	No	3.7 x 2.1 x 1.4	6' 6	0.5	UL/CUL/TUV/CE	24.95	22.95	17.55	16.95
	243012	Mean Well	P30A-41P2JU	27	+15/1.8	100-240@50-60	2.1mm x 5.5mm F 2	Yes	4.2 x 2.6 x 1.4	6' 6	0.8	UL/CUL/TUV/CE	29.95	26.95	23.95	21.95
	380550	Mean Well	ES25A18-P1MU	25	+18/1.35	90-264@47-63	2.5mm x 5.5mm F 2	Yes	3.7 x 2.1 x 1.4	6' 6	0.6	UL/CSA/TUV/CE	24.95	22.49	19.95	17.95
	379883	Mean Well	ES25A24-P1JU	25	+24/1.04	100-240@50-60	2.1mm x 5.5mm F 2	Yes	3.7 x 2.1 x 1.4	6' 6	0.6	UL/CSA/TUV/CE	23.39	20.94	18.33	17.46
	380577	Mean Well	ES25A24-P1MU	25	+24/1.04	100-240@50-60	2.5mm x 5.5mm F 2	Yes	3.7 x 2.1 x 1.4	6' 6	0.6	UL/CSA/TUV/CE	22.35	20.92	19.88	16.85
	1940635	Mean Well	GS25A24-P1JU	25	+24/1.04	100-240@50-60	2.1mm x 5.5mm F 2	No	3.7 x 2.1 x 1.4	6' 6	0.5	UL/CUL/TUV/CE	27.95	24.95	19.55	18.95
	221681	Mean Well	P30A-6P2JU	27	+24/1.1	100-240@50-60	2.1mm x 5.5mm F 2	Yes	4.3 x 2.6 x 1.4	6' 6	0.8	UL/CSA/TUV/CE	31.25	28.13	25.30	22.76
	1707091	Mean Well	ES25A28-P1J	25	+28/0.89	100-240@50-60	2.1mm x 5.5mm F 2	Yes	3.7 x 2.1 x 1.4	6' 2	0.4	UL/CUL/TUV/CE	12.95	11.49	9.95	8.95
	1940651	Mean Well	GS25A48-P1JU	25	+48/0.52	100-240@50-60	2.1mm x 5.5mm F 2	No	3.7 x 2.1 x 1.4	6' 6	0.5	UL/CUL/TUV/CE	27.95	24.95	19.55	18.95
380606	Mean Well	ES25A48-P1MU	25	+48/0.52	100-240@50-60	2.5mm x 5.5mm F 2	Yes	3.7 x 2.1 x 1.4	6' 6	0.6	UL/CSA/TUV/CE	22.35	20.92	19.88	16.85	
215088	Mean Well	P30A-8P2JU	27	+48/0.56	100-240@50-60	2.1mm x 5.5mm F 2	Yes	4.3 x 2.6 x 1.4	6' 6	0.7	UL/CSA/TUV/CE	24.29	23.26	22.10	20.99	
196270	Jameco ReliaPro	PSU25A13	25	+5/2.5, +12/1.0	100-240@47-63	4-pin mini DIN M	No	4.2 x 2.6 x 1.4	6' 4	1.2	UL/CUL/TUV/CE	29.65	26.75	23.95	20.95	
190960	Mean Well	P25A13D-R1U	26	+5/2.5, +12/0.8, -12/0.3	100-240@50-60	5-pin DIN M	Yes	4.1 x 2.6 x 1.4	6' 6	1.1	CUL/TUV/CE	39.99	36.02	32.38	29.18	
221720	Mean Well	P25A14E-R1BU	25	+5/2.5, +15/0.3	100-240@50-60	5-pin DIN M	Yes	4.3 x 2.6 x 1.4	6' 6	0.8	UL/CUL/TUV/CE	34.25	27.95	24.95	21.95	

* See accessory table-top power cord chart on page 109 when AC cord needed; refer to 1, 2, or 3 in "Cord (DC/AC)" column above for correct power cord. † Right angle. ☑ Blue Part No. = Limited Quantity Available
▲ Manufacturer and product number may vary except for ReliaPro, Mean Well, Philhong and GlobTek

3-Wire Regulated Table-Top Power Supplies continued on next page

*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product. This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 159.

AC-to-DC Regulated Switching Table-Top Power Supplies (Continued)

• Color: back

See page 120 for
International Power Cords



206528



211191

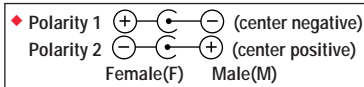


1537125



297722

We will change any power
plug (pg 72) on any
table-top power supply
(100 pc. minimum) for a
small additional charge.



Female (F)



Male (M)




















































DIN (M)



NEW
MARKED IN PINK

*Web Code: DDZ

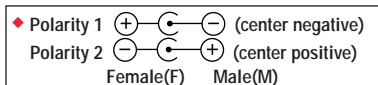
Power	Part Number	Manufacturer 	Product Number 	Output		Input VAC@Hz	Output Connector ID x OD mm Female/Male; Polarity 	LED Ind.	Size (L" x W" x H")	Cords* (DC/AC)	Wt. (lbs.)	Agency Approvals	Pricing			
				Pwr (W)	Volts (VDC)/ Current (A)								1	10	50	100
3-Wire AC Input – Regulated Switching																
30–40 Watt	320081	GlobTek 	TR9CA6000LCP-Y	30	+5/6.0	100-240@50-60	2.5mm x 5.5mm F 2	Yes	4.7 x 2.4 x 1.3	6' ²	0.7	UL/CUL/TUV/CE	\$30.95	\$27.95	\$25.95	\$22.95
	206528	Mean Well 	P40A-1-1P25U	30	+7.5/4.0	100-240@50-60	2.1mm x 5.5mm F 2	Yes	4.3 x 2.7 x 1.5	6' ⁶	1.5	UL/CUL/TUV/CE	33.05	29.75	26.44	24.23
	1940213	EDAC, Inc. 	EA10302	30	+9/3.3	100-240@50-60	2.1mm x 5.5mm F 2	Yes	3.9 x 1.8 x 1.2	4' ¹	0.5	UL/CUL/TUV/CE	19.95	17.95	15.95	13.95
	1586277	Phihong 	PSC30U-120-R	30	+12/2.5	100-240@50-60	2.1mm x 5.5mm F 2	No	3.9 x 2.2 x 1.2	5' ²	0.6	UL/CUL/TUV/CE	27.25	24.78	23.27	22.37
	1918690	First Vision 	SA06H12-A	30	+12/2.5	100-240@50-60	2.5mm x 5.5mm F 2	Yes	3.7 x 2.0 x 1.4	4' ²	0.6	UL/CUL/TUV/CE	12.95	11.49	10.95	9.95
	1942147	Jentec 	SA06H1217-A	30	+12/2.5	100-240@50-60	2.5mm x 5.5mm F 2	Yes	3.7 x 2.0 x 1.4	6' ²	0.6	UL/CUL/TUV/CE	14.95	13.49	11.95	10.95
	401042	Jameco ReliaPro 	ADPV16	36	+12/3.0	100-240@50-60	2.1mm x 5.5mm F 2	Yes	3.9 x 1.8 x 1.2	6' ¹	6.0	UL/CUL/TUV/CE	23.69	21.17	19.14	18.19
	1586146	EDAC, Inc. 	EA10301	36	+12/3.0	100-240@50-60	2.5mm x 5.5mm F 2	Yes	3.8 x 1.8 x 1.2	6' ²	0.7	UL/CUL/TUV/CE	19.95	17.95	14.95	12.95
	1942155	Jentec 	JTA0210P	36	+12/3.0	100-240@50-60	2.1mm x 5.5mm F 2	Yes	4.3 x 2.0 x 1.2	6' ¹	0.6	UL/CUL/TUV/CE	19.95	17.95	14.95	12.95
	155214	Mean Well 	A-3P2JU	40	+12/3.3	100-240@50-60	2.1mm x 5.5mm F 2	Yes	4.3 x 2.6 x 1.4	6' ⁶	0.7	UL/CUL/TUV	40.25	36.19	32.56	29.32
	297693	Mean Well 	P40A-3P2MU	40	+12/3.3	100-240@50-60	2.5mm x 5.5mm F 2	Yes	4.3 x 2.6 x 1.4	6' ⁶	0.7	UL/CUL/VDE/CE	36.95	33.35	29.12	26.21
	355064	Jameco ReliaPro 	JR-TT-40-12	40	+12/3.33	100-240@50-60	2.1mm x 5.5mm F 2	Yes	4.3 x 2.6 x 1.4	6' ²	0.6	UL/CUL/TUV/CE	29.95	27.75	25.95	23.95
	1946113	Li Shin 	LSE0107A1240	40	+12/3.33	100-240@50-60	2.1mm x 5.5mm F 2	No	4.5 x 2.0 x 1.2	6'	0.6	UL/TUV/CE	21.95	19.95	15.95	12.95
	1708625	HiPro 	HP02040043	40	+12/3.33	100-240@50-60	2.5mm x 5.5mm F 2	Yes	4.3 x 2.4 x 1.2	5' ²	0.7	UL/CUL/TUV/CE	19.95	17.95	14.95	12.95
	229017	Phihong 	PSA31U-150	30	+15/2.0	100-240@50-60	2.1mm x 5.5mm F 2	No	4.5 x 2.4 x 1.4	6' ²	0.5	UL/CUL/TUV/CE	28.95	25.95	23.95	21.95
	221576	Mean Well 	P40A-4P2JU	40	+15/2.7	100-240@50-60	2.1mm x 5.5mm F 2	Yes	4.3 x 2.6 x 1.4	6' ⁶	0.8	UL/CUL/TUV/CE	37.45	33.62	30.25	27.23
	229026	Phihong 	PSC30U-240-R	30	+24/1.25	100-240@50-60	2.1mm x 5.5mm F 2	No	4.5 x 2.4 x 1.4	6' ²	0.5	UL/CUL/TUV/CE	29.95	26.95	24.95	23.95
	1940230	EDAC, Inc. 	EA1030D2	30	+24/1.25	100-240@50-60	2.1mm x 5.5mm F 2	Yes	3.9 x 1.8 x 1.2	4' ¹	0.5	UL/CUL/TUV/CE	22.95	19.95	17.95	15.95
	1952353	Mean Well 	GS40A12-P1J	40	+24/1.67	90-264@47-63	2.1mm x 5.5mm F 2	Yes	4.9 x 2.0 x 1.2	6' ²	0.7	UL/CUL/TUV/CE	39.95	37.95	34.55	32.95
	181885	Mean Well 	P40A-6P2JU 	40	+24/1.7	100-240@50-60	2.1mm x 5.5mm F 2	Yes	4.3 x 2.6 x 1.4	6' ⁶	0.7	UL/TUV/CE	42.45	38.19	34.36	30.93
297757	Mean Well 	P40A-6P2MU	40	+24/1.7	100-240@50-60	2.5mm x 5.5mm F 2	Yes	4.3 x 2.6 x 1.4	6' ⁶	0.7	UL/CUL/VDE/CE	41.69	37.54	33.78	30.40	
221584	Mean Well 	P40A-8P2JU	40	+48/0.8	100-240@50-60	2.1mm x 5.5mm F 2	Yes	4.3 x 2.6 x 1.4	6' ⁶	0.8	UL/CUL/TUV/CE	37.35	33.62	26.90	22.18	
211191	Westinghouse 	FA30P31	30	+5/3, ±12/0.8	100-240@50-60	5-pin DIN M	Yes	5.8 x 3.0 x 1.7	4' ¹	1.1	UL/CSA/TUV	19.95	17.95	15.95	13.95	
404443	AcroPower 	ASX30T-577/07	30	+5/3, ±12/0.1, -12/0.5	100-240@50-60	5-pin DIN M	No	6.0 x 3.5 x 2.0	6' ⁶	2.0	UL/CUL/CE	19.95	17.95	15.95	13.95	
41–50 Watt	221488	Mean Well 	SPU50-1U	50	+5/10.0	100-240@50-60	5-pin DIN M	Yes	5.7 x 3.0 x 1.7	6' ⁶	2.0	UL/CUL/TUV/CE	51.85	46.90	42.02	37.82
	1940264	EDAC, Inc. 	EA1050E	42	+12/3.5	100-240@50-60	2.1mm x 5.5mm F 2	Yes	4.7 x 2.4 x 1.4	4' ²	0.6	UL/CUL/TUV/CE	22.95	20.95	19.95	17.95
	1537256	Ault 	PW125RA2403F2	41	+24/1.7	100-250@50-60	2.5mm x 5.5mm F 2	Yes	3.9 x 2.6 x 1.7	6' ²	0.7	UL/CUL/TUV/CE	19.95	17.95	15.95	12.95
	1940281	EDAC, Inc. 	EA1050D	50	+24/2.08	100-240@50-60	2.1mm x 5.5mm F 2	Yes	4.7 x 2.4 x 1.4	4' ²	0.6	UL/CUL/TUV/CE	24.95	22.49	19.95	17.95
	1940272	EDAC, Inc. 	EA1050C	50	+12/4.16	100-240@50-60	2.1mm x 5.5mm F 2	Yes	4.7 x 2.4 x 1.4	4' ²	0.6	UL/CUL/TUV/CE	29.95	26.95	23.95	21.95
	221702	Mean Well 	P50A13D-R1BU	50	+5/4.0, +12/2.0, -12/0.5	100-240@50-60	5-pin DIN M	Yes	5.7 x 3.0 x 1.7	4' ⁶	1.5	UL/CUL/TUV/CE	56.35	50.75	45.68	34.26
	237367	Mean Well 	P50A14E-R1BU	42	+5/3.5, +15/1.2, -15/0.3	100-240@47-63	5-pin DIN M	Yes	5.8 x 3.0 x 1.7	4' ⁶	1.2	UL/CUL/TUV/CE	46.75	42.10	40.99	39.90
60–120 Watt	1952370	Mean Well 	GS60A12-PJ	60	+12/5.0	90-264@47-63	2.1mm x 5.5mm F 2	Yes	4.9 x 1.9 x 1.2	4' ²	0.7	UL/CUL/TUV/CE	59.95	55.95	53.95	49.95
	155231	Mean Well 	SPU50-3U	60	+12/5.0	100-240@47-63	2.1mm x 5.5mm F 2	Yes	5.7 x 3.0 x 1.7	6' ⁶	1.3	UL/CSA/TUV	63.35	58.41	52.57	47.31
	297722	Mean Well 	SPU50-3P2MU	60	+12/5.0	100-240@50-60	2.5mm x 5.5mm F 2	Yes	5.7 x 3.0 x 1.7	6' ⁶	1.3	UL/CUL/TUV/CE	54.15	45.52	42.34	41.16
	1586314	Phihong 	PSC60M-120-R	60	+12/5.0	100-240@50-60	2.1mm x 5.5mm F 2	No	5.1 x 2.4 x 1.3	4' ³	0.7	UL/CUL/TUV/CE	39.55	35.89	33.10	31.44
	376607	Mean Well 	P66A-3P2JU	66	+12/5.5	100-240@50-60	2.1mm x 5.5mm F 2	Yes	5.8 x 3.0 x 1.7	6' ⁶	1.2	UL/CSA/TUV/CE	43.95	38.95	36.95	34.95
	379672	Mean Well 	P66A-3P2MU	66	+12/5.5	100-240@50-60	2.5mm x 5.5mm F 2	Yes	5.8 x 3.0 x 1.7	6' ⁶	1.2	UL/CSA/TUV/CE	42.95	38.95	33.95	31.95
	1940811	Mean Well 	FM90C12-P1MU	80	+12/6.6	100-240@50-60	2.5mm x 5.5mm F 2	No	5.3 x 2.3 x 1.2	4' ⁶	0.9	UL/CUL/TUV/CE	76.95	72.95	69.95	65.95
	221429	Mean Well 	U65S10S-P2JU 	80	+12/6.7	100-240@50-60	2.1mm x 5.5mm F 2	Yes	6.6 x 3.1 x 1.8	6' ⁶	2.0	UL/CUL/TUV/CE	67.95	59.95	55.95	45.95
	391743	Mean Well 	P66A-4P2JU	66	+15/4.4	100-240@50-60	2.1mm x 5.5mm F 2	Yes	5.8 x 3.0 x 1.7	6' ⁶	1.2	UL/CSA/TUV/CE	42.25	37.25	36.05	34.05
	243046	Mean Well 	P66A-5P2JU	66	+18/3.66	100-240@50-60	2.1mm x 5.5mm F 2	Yes	5.8 x 3.0 x 1.7	6' ⁶	1.2	UL/CUL/TUV/CE	46.19	41.90	38.66	35.46
	221445	Mean Well 	U65S107-P2JU	80	+18/4.4	100-240@50-60	2.1mm x 5.5mm F 2	Yes	6.6 x 3.1 x 1.8	6' ⁶	2.0	UL/CUL/TUV/CE	77.95	66.35	59.94	56.99
	1952388	Mean Well 	GS60A24-P1J	60	+24/2.5	90-264@47-63	2.1mm x 5.5mm F 2	Yes	4.9 x 1.9 x 1.2	6' ²	0.7	UL/CUL/TUV/CE	62.95	55.95	50.95	43.95
	161606	Mean Well 	SPU50-6U	60	+24/2.5	100-240@47-63	2.1mm x 5.5mm F 2	Yes	5.6 x 2.9 x 1.6	1'9' ⁶	1.3	UL/CSA/TUV	53.95	46.95	44.95	38.95
	297634	Mean Well	SPU50-6P2MU	60	+24/2.5	100-240@50-60	2.5mm x 5.5mm F 2	Yes	5.7 x 3.0 x 1.7	6' ⁶	1.3	UL/CUL/TUV/CE	63.35	58.41	55.49	52.72
	1537125	EDAC, Inc.	EA1050B-240	60	+24/2.5	100-240@47-63	2.1mm x 5.5mm F 2	Yes	4.8 x 2.4 x 1.4	6' ²	1.8	UL/CUL/TUV/CE	36.95	33.45	29.95	25.45
	1950913	EDAC, Inc.	EA1050B-240-2.5	60	+24/2.5	100-240@47-63	2.5mm x 5.5mm F 2	Yes	4.8 x 2.4 x 1.4	6' ²	1.8	UL/CUL/TUV/CE	34.95	31.45	28.30	25.45
	355056	Jameco ReliaPro	JR-TT-66-24	66	+24/2.75	100-240@50-60	2.1mm x 5.5mm F 2	Yes	5.8 x 3.0 x 1.7	6' ²	1.2	UL/CUL/TUV/CE	47.95	45.45	42.95	39.95
	1708342	Potrans	BUP07211240	72	+24/3.0	100-240@50-60	2.5mm x 5.5mm F 2	Yes	5.3 x 2.3 x 1.4	6' ²	1.0	TUV/CE	39.95	35.95	31.95	28.95
	221453	Mean Well	U65S108-P2JU	80	+24/3.3	100-240@50-60	2.1mm x 5.5mm F 2	Yes	6.6 x 3.1 x 1.8	6' ⁶	2.0	UL/CUL/TUV/CE	65.59	55.84	50.44	47.96
	1586322	Phihong	PSC60M-240-R	60	+24/2.5	100-240@50-60	2.1mm x 5.5mm F 2	No	5.1 x 2.4 x 1.3	4' ³	0.7	UL/CUL/TUV/CE	32.29	31.95	31.64	31.33
1940838	Mean Well	FM90C42-P1MU	90	+24/3.75	100-240@50-60	2.5mm x 5.5mm F 2	Yes	5.3 x 2.3 x 1.2	4' ⁶	0.9	UL/CUL/TUV/CE	76.95	72.95	69.95	65.95	
376615	Mean Well	P66A-8P2JU	66	+48/1.37	100-240@50-60	2.1mm x 5.5mm F 2	Yes	5.8 x 3.0 x 1.7	6' ⁶	1.2	UL/CSA/TUV/CE	49.95	41.79	37.99	36.10	

AC-to-DC Regulated Switching Table-Top Power Supplies



AC-to-DC Regulated Switching Table-Top Power Supplies (Continued)

• Color: black







We will change any power plug (pg 72) on any table-top power supply (100 pc. minimum) for a small additional charge.

For International Power Cords see pages 120.

1708633

★ Web Code: DDZ

Power	Part Number	Manufacturer ▲	Product Number ▲	Output		Input VAC@Hz	Output Connector ID x OD mm Female/Male; Polarity ♦	LED Ind.	Size (L" x W" x H")	Cords* (DC/AC)	Wt. (lbs.)	Agency Approvals	Pricing			
				Pwr (W)	Volts (VDC)/ Current (A)								1	10	50	100
				3-Wire AC Input – Regulated Switching (Continued)												
60-120 Watt	172065	Mean Well 	SPU50-9U	60	+48/1.25	100-240@50-60	2.1mm x 5.5mm F 2	Yes	5.6 x 2.9 x 1.7	6'/6"	1.3	UL/CSA/TUV	\$53.95	\$48.59	\$43.74	\$42.37
	1708633	INTL Power	HUP80-3108	60	+5/6; +12/2.12; -12/0.3	100-240@50-60	8-pin DIN Male	Yes	6.6 x 2.9 x 1.9	4'/2	1.2	UL/CUL/TUV/CE	24.95	22.49	19.95	17.95
	1940846	Mean Well 	AS-120P-12	100	+12/8.4	100-240@50-60	4-pin DIN Male	No	6.6 x 2.6 x 1.4	4' / 2	1.2	UL/CUL/TUV/CE	89.95	85.95	79.95	75.95
	1940854	Mean Well 	AS-120P-15	100	+15/6.7	100-240@50-60	4-pin DIN Male	No	6.6 x 2.6 x 1.4	4' / 2	1.2	UL/CUL/TUV/CE	89.95	85.95	79.95	75.95
	1940871	Mean Well 	AS-120P-24	120	+24/5	100-240@50-60	4-pin DIN Male	No	6.6 x 2.6 x 1.4	4' / 2	1.2	UL/CUL/TUV/CE	89.95	85.95	79.95	75.95

* See accessory table-top power cord chart on page 109 when AC cord needed; refer to 1, 2 or 3 in "Cord (DC/AC)" column above for correct power cord

◆ Blue Part No. = Limited Quantity Available

▲ Manufacturer and product number may vary except for Mean Well

GlobTek® AC-to-DC Medical Table-Top Regulated Switching Power Supplies

- Input voltage: 90-264VAC @ 47-63Hz
- Leakage current: 0.1mA max.
- Regulation (line & load): ±5%
- 3-wire AC input
- 2.5mm x 5.5mm female center positive
- Cord lengths: DC: 6'; AC: use P/N 115078, pg 119
- Ripple and noise: 1% or 100mV, whichever is smaller
- UL/CUL/TUV/CE approved for medical applications
- Isolation voltage: 4,000VAC
- Size: 2.9"L x 2.0"W x 1.6"H



★ Web Code: WBM

Part Number	Product Number	Power (W)	Output Volts (VDC)/Current (A)	Pricing			
				1	10	50	100
230683	TR9CE1250CP	15.6	+12/1.3	\$36.95	\$32.95	\$29.95	\$24.95
230691	TR9CG1200CP	18.0	+15/1.2	49.95	43.95	33.95	31.95
230798	TR9CI2100LCP	50.4	+24/2.1	55.95	49.95	45.95	42.95

velleman 24-Watt Switching Table-Top Power Supply

- Input voltage: 100-240VAC @ 50-60Hz
- Low electromagnetic interference
- Interchangeable AC input plugs for USA/UK/Europe/Taiwan/China
- Output current: 2A
- Selectable outputs: 3VDC, 4.5VDC, 6VDC, 7.5VDC, 9VDC, 12VDC
- Output connectors: 2.5mm & 3.5mm male, 1mm x 3mm, 2.1mm x 5mm, 2.5mm x 5mm, 1.35mm x 3.5mm x & 1.7mm x 4mm



Part No.	Product No.	Size (H x W x D)	1	10
1537491	PSSMV3	4.7" x 3.3" x 2.5" 0	\$42.95	\$39.95

velleman 38-Watt Switching Table-Top Power Supply

- Stabilized outputs, low ripple & interference
- High efficiency, low energy consumption
- Input voltage: 100-240VAC @ 50/60Hz
- Short-circuit, overload protection
- LED power indicator
- Output current: 1.5A to 4A
- Output voltage: 5VDC to 24VDC in 1V increments
- Output connectors: 2.5mm & 3.5mm male, 1mm x 3mm, 1.35mm x 3.5mm, 1.5mm x 5mm, 1.7mm x 4mm, 2.1mm x 5mm, 2.5mm x 5mm



Part No.	Product No.	Size (L x W x H)	1	10
1537521	PSSM6VU	3.5" x 1.8" x 1.2" 0	\$49.95	\$46.95

Universal 60-Watt Table-Top Power Supply

RoHS and CEC Compliant

- Input voltage: 90-264VAC @ 40-50Hz (2-wire input)
- Short-circuit, overcurrent, overvoltage protection
- Input power saving: 0.75W maximum for 240VAC @ no load
- Output voltage: 24VDC @ 2.5A
- Efficiency: 80% typical
- 2.1mm x 5.5mm female center positive
- UL/CUL/TUV/CE approved

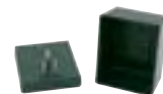


Part No.	Product No.	Size (L x W x H)	1	10	50
229843	PSC60W-240-R	5.1" x 2.4" x 1.3" 0	\$36.49	\$32.85	\$29.55

JAMECO ReliaPro Wall Adapter Enclosure

- 3-prong power plug and cable strain relief
- Material: noryl • Color: Black

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Part No.	Style	Size (H x W x D)	1	10	100
115051	Non-vented	3.4" x 2.7" x 2.3" 0	\$2.25	\$1.95	\$1.69



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RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 159.

AC-to-AC & AC-to-DC Regulated Switching Wall Adapters



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AC-to-AC Wall Adapters

We specialize in Wall Adapters – Call for additional OEM PRICING.

We will change any power plug (pg 72) on any DC wall adapter listed (100 pc. minimum) for a small additional charge.

★ Web Code: ABQ



- Input: 120VAC @ 60Hz
- One-year warranty



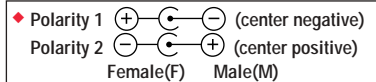
Part Number	Manufacturer ▲	Cross Ref. Number ▲	Output Rating		Output Connector ID x OD mm Female/Male	Size H" x W" x D"	Case Color	Output Cord Length	Wt. (lbs.)	Agency Approvals	Pricing				QUANTITY SAVE
			Voltage (VAC)	Current (mA)							1	10	50	100	
249017	Jameco ReliaPro	ACU070150	7	1500	2.5mm x 5.5mm F	2.5 x 2.0 x 1.7	Black	6'	0.5	UL/CSA	\$6.19	\$5.61	\$4.47	\$3.50	
210729	ITE Power Supply	MKA35090300	9	300	2.1mm x 5.5mm F	2.2 x 1.7 x 1.5	Black	6'	0.4	UL/CUL	4.95	4.49	3.95	3.59	
100061	Jameco ReliaPro	ACU090050	9	500	2.1mm x 5.5mm F	2.7 x 1.9 x 1.7	Black	6'	0.6	UL/CUL	6.93	5.75	4.89	3.99	
1950921	ITI	AM-9700ALF	9	700	Screw terminals	2.8 x 2.0 x 1.7	White	—	0.6	UL	4.95	4.49	3.95	3.59	
236814	Jameco ReliaPro	ACU090080	9	800	3.5mm M	2.5 x 2.0 x 1.7	Black	6'	0.5	UL/CUL	6.55	5.88	5.30	3.98	
1581281	OEM	AA-091A	9	1000	2.1mm x 5.5mm F	2.2 x 2.1 x 1.6	Black	6'	0.6	UL/CSA	5.95	4.95	4.49	3.49	
102234	Jameco ReliaPro	ACU090100Z8182	9	1000	2.1mm x 5.5mm F	3.2 x 2.2 x 1.9	Black	6'	0.6	UL/CSA	4.95	4.49	3.95	3.59	
1586154	Arndt	A9-1A	9	1000	2.5mm x 5.5mm F	2.5 x 1.9 x 1.6	Black	6'	0.6	UL/CSA	5.95	4.95	4.49	3.49	
157041	Jameco ReliaPro	ACU090100E8942	9	1000	2.5mm x 5.5mm F	2.1 x 2.1 x 1.6	Black	6'	0.6	UL/CSA	6.95	6.25	5.59	4.95	
112336	Jameco ReliaPro	ACU090150	9	1500	2.5mm x 5.5mm F	2.5 x 2.2 x 2.0	Black	6'	0.9	UL	10.95	9.95	8.95	7.95	
686634	Arndt	PP-1012-A	10	1200	2.5mm x 5.5mm F	3.5 x 2.5 x 1.9	Black	6'	1.3	UL	4.95	4.49	3.95	2.95	
1707155	Multi-Link	AA-1250G	12	500	2.1mm x 5.5mm F	2.2 x 2.1 x 1.6	Black	6'	0.6	UL	5.95	5.35	4.79	4.39	
101258	Jameco ReliaPro	ACU120050	12	500	2.1mm x 5.5mm F	2.5 x 2.0 x 1.7	Black	6'	0.6	UL/CSA	6.29	6.05	5.93	5.44	
309884	Multi-Link	AA-121A	12	1000	2.1mm x 5.5mm F	2.5 x 2.0 x 1.7	Black	6'	0.6	UL/CUL	6.95	6.25	5.59	4.95	
10081	Jameco ReliaPro	ACU120100J0920	12	1000	2.1mm x 5.5mm F	2.6 x 2.4 x 2.0	Black	6'	0.7	UL/CSA	7.59	7.19	7.19	5.99	
100167	Jameco ReliaPro	A411201000U	12	1000	2.5mm x 5.5mm F	3.2 x 2.4 x 2.0	Black	6'	0.7	UL/CSA	7.59	7.19	6.87	5.99	
10428	Jameco ReliaPro	ACU120100Z9121	12	1000	3.5mm M	2.6 x 2.4 x 2.0	Black	6'	0.6	UL/CUL	5.95	5.35	4.79	3.95	
167151	Jameco ReliaPro	ADU120150	12	1500	2.1mm x 5.5mm F	3.4 x 2.7 x 2.2	Black	6'	1.5	UL/CUL	7.59	6.87	6.10	4.58	
307838	Jameco ReliaPro	ADU120160H4120	12	1600	2.5mm x 5.5mm F	2.9 x 2.3 x 1.9	Black	6'	1.0	UL/CUL	12.49	9.95	7.49	6.75	
153761	Jameco ReliaPro	ADU120160C2521	12	1600	3.5mm M	2.5 x 2.2 x 1.9	Black	6'	0.9	UL	12.49	9.95	7.49	6.75	
206404	MG Electronics	MGT1220	12	1670	Screw terminals with green LED	3.2 x 2.2 x 1.9	White	—	0.9	UL/CSA	7.55	6.40	6.19	5.34	
318684	Jameco ReliaPro	ACU140085	14	850	2.5mm x 5.5mm right angle F	2.5 x 2.0 x 1.7	Black	6'	0.6	UL/CUL	12.49	9.95	7.49	6.75	
100108	Jameco ReliaPro	ADU160100	16	1000	2.1mm x 5.5mm F	2.5 x 2.2 x 1.9	Black	6'	0.9	UL/CSA	10.49	9.46	7.56	5.67	
163053	Jameco ReliaPro	ADU160110	16	1100	2.5mm x 5.5mm F	3.2 x 2.3 x 1.8	Black	6'	1.1	UL/CSA	9.85	8.87	7.10	5.33	
121216	Jameco ReliaPro	ADU180100	18	1000	2.1mm x 5.5mm F	3.1 x 2.7 x 1.9	Black	6'	1.1	UL/CUL	9.85	8.86	7.98	5.99	
185439	Ault	T5182200-A020G†	18	1850	2.1mm x 5.5mm right angle F	3.3 x 2.7 x 2.2	Black	6'	1.7	None	12.95	11.49	10.49	9.49	
87581	Jameco ReliaPro	ADU240050	24	500	2.1mm x 5.5mm F	2.5 x 2.2 x 1.9	Black	6'	0.9	UL/CSA	6.89	6.52	6.25	5.48	
206439	MG Electronics	MGT2420	24	830	Screw terminals with green LED	3.2 x 2.2 x 1.9	White	—	0.9	UL/CSA	7.95	6.95	6.25	5.59	
140599	Jameco ReliaPro	ADU240100D5531	24	1000	2.1mm x 5.5mm F	3.0 x 2.2 x 1.9	Black	6'	1.2	UL/CSA	12.85	10.95	8.95	6.65	
10102	Jameco ReliaPro	ADU240100E0461	24	1000	3.5mm M	3.0 x 2.2 x 1.9	Black	6'	1.2	UL/CSA	10.95	9.95	8.95	6.95	
176356	Jameco ReliaPro	AFU240125	24	1250	2.1mm x 5.5mm F	3.4 x 2.7 x 2.2	Black	5'8"	1.6	None	13.85	12.88	10.53	8.31	

▲ Manufacturer and cross reference number may vary except for ReliaPro, Mean Well, Phihong and Globtek †3-Prong

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AC-to-DC Regulated Switching Wall Adapters

We specialize in Wall Adapters – Call for additional OEM PRICING.



We will change any power plug (pg 72) on any DC wall adapter listed (100 pc. minimum) for a small additional charge.



★ Web Code: CDZ

Part Number	Manufacturer ▲	Product Number ▲	Output Rating		Output Connector ID x OD mm Female/Male; Polarity ◆	Input VAC @ Hz	Size H" x W" x D"	Case Color	Output Cord Length	Weight (lbs.)	Agency Approvals	Pricing			
			Voltage (VDC)	Current (mA)								1	10	50	100
1809805	Globtek	WR9HA100C9P-F(R)	5	1000	2.1mm x 5.5mm F 2	100-240@50-60	2.1 x 1.2 x 1.6	Black	6'	0.2	UL/CUL/CE	\$12.95	\$10.95	\$9.95	\$8.95
1586218	Phihong	PSA05A-050-R	5	1000	Mini-USB	100-240@50-60	2.6 x 1.1 x 1.6	Black	6'	0.8	UL/CUL/TUV/CE	10.45	10.32	9.80	9.70
1940660	Mean Well	GS06U1P1J	5	1000	2.1mm x 5.5mm F 2	90-264@47-63	2.6 x 1.3 x 1.9	Black	6'	0.2	UL/CUL/CE	19.95	17.95	13.95	12.95
1950981	Philips	AY3192/17	5	2000	1.7mm x 4.0mm F 2	100-240@50-60	3.1 x 1.4 x 1.3	Black	6'	0.3	UL/CUL	12.95	10.95	9.95	8.95
210894	Jameco ReliaPro	SYS1193-1005	5	2000	2.1mm x 5.5mm F 2	100-240@47-63	2.9 x 1.4 x 2.2	Black	6'	0.2	UL/CUL	14.95	13.45	11.95	9.95
1940740	Mean Well	GS12U05P1I	5	2000	2.1mm x 5.5mm F 2	90-264@47-63	2.6 x 1.9 x 1.0	Black	4'	0.3	UL/CUL	19.95	18.95	16.95	13.95
189190	Interex	EPA101MU-05B	5	2000	2.5mm x 5.5mm F 1	100-240@50-60	3.2 x 2.8 x 1.3	Black	6'	0.4	UL/CUL	12.95	11.49	9.95	8.95
689864	DVE	DSA-0151A-05	5	2400	2.5mm x 5.5mm right angle F 2	100-120@50-60	3.2 x 2.1 x 1.4	Black	6'	0.5	UL/CUL	9.95	8.95	7.95	6.95
1919158	Compaq	281855-001	5	3000	1.3mm x 3.5mm F 2	100-240@50-60	3.1 x 1.4 x 2.2	Black	6'	0.3	UL/CUL/TUV/CE	10.95	9.95	8.95	7.95
319881	Mean Well	ES18U05-P1J	5	3000	2.1mm x 5.5mm F 2	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	13.65	12.60	11.79	10.98
379622	Mean Well	ES25U05-P1J	5	4000	2.1mm x 5.5mm F 2	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	15.75	14.69	13.65	12.59
380323	Mean Well	ES25U05-P1M	5	4000	2.5mm x 5.5mm F 2	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	15.75	14.70	13.60	12.57
1918702	Globtek	GT-41052-1506	6	2500	2.5mm x 5.5mm right angle F 2	100-240@50-60	2.9 x 1.7 x 1.5	Black	6'	0.5	UL/CUL/CE	10.95	9.95	8.95	7.95
1940678	Mean Well	GS06U-11P1J	7.5	800	2.1mm x 5.5mm F 2	90-264@47-63	2.6 x 1.3 x 1.9	Black	6'	0.2	UL/CUL/CE	19.95	17.95	13.95	12.95
1940758	Mean Well	GS12U07/P1I	7.5	1600	2.1mm x 5.5mm F 2	90-264@47-63	2.6 x 1.9 x 1.0	Black	6'	0.3	UL/CUL	19.95	18.95	16.95	13.95

▲ Manufacturer and product number may vary except for ReliaPro, Mean Well, Phihong and Globtek †† Interchangeable plugs ⚡ Blue Part No. = Limited Quantity Available

★ For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 159.



Order by Phone 24/7 at 1-800-831-4242 or Online at www.Jameco.com

AC-to-DC Regulated Switching Wall Adapters

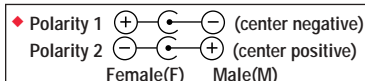


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AC-to-DC Regulated Switching Wall Adapters (Continued)

We specialize in Wall Adapters – Call for additional OEM PRICING.

We will change any power plug (pg 72)
on any DC wall adapter listed
(100 pc. minimum) for a small additional charge.



Female

689864

1707112

★ Web Code: CDZ

Part Number	Manufacturer ▲	Product Number ▲	Output Rating		Output Connector ID x OD mm Female/Male; Polarity ◆	Input VAC @ Hz	Size H" x W" x D"	Case Color	Output Cord Length	Weight (lbs.)	Agency Approvals	Pricing			
			Voltage (VDC)	Current (mA)								1	10	50	100
1946121	Protech	BSA-15-105B	5	3000	2.5mm x 5.5mm rt. angle F 2	100-120@57-63	2.9 x 2.0 x 1.7	Black	6'	0.5	UL/CSA	\$10.95	\$9.95	\$8.95	\$7.95
380008	Mean Well	ES25U07-P1J	7.5	2930	2.1mm x 5.5mm F 2	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	14.95	13.49	11.95	10.95
1940686	Mean Well	GS06U-2P1J	9	660	2.1mm x 5.5mm F 2	90-264@47-63	2.6 x 1.3 x 1.9	Black	6'	0.2	UL/CUL/CE	19.95	17.95	13.95	12.95
1940766	Mean Well	GS12U09-P1I	9	1330	2.1mm x 5.5mm F 2	90-264@47-63	2.6 x 1.9 x 1.0	Black	6'	0.3	UL/CUL	20.55	18.55	14.35	13.95
228947	Phihong	PSC15A-090	9	1600	2.1mm x 5.5mm F 2	90-132@57-63	2.9 x 1.9 x 1.4	Black	6'	0.4	UL/CUL	19.95	17.95	15.95	13.95
380139	Mean Well	ES25U09-P1J	9	2780	2.1mm x 5.5mm F 2	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	15.89	14.83	13.77	12.70
380350	Mean Well	ES25U09-P1M	9	2780	2.5mm x 5.5mm F 2	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	15.75	14.68	13.63	12.57
1940694	Mean Well	GS06U-3P1J	12	500	2.1mm x 5.5mm F 2	90-264@47-63	2.6 x 1.3 x 1.9	Black	6'	0.2	UL/CUL/CE	19.95	17.95	13.95	12.95
1940774	Mean Well	GS12U12-P1I	12	1000	2.1mm x 5.5mm F 2	90-264@47-63	2.6 x 1.9 x 1.0	Black	6'	0.3	UL/CUL	20.55	18.55	14.35	13.95
1918817	Mean Well	SW12U12-P1I	12	1000	2.1mm x 5.5mm F 2	100-240@50-60	2.6 x 2.0 x 1.0	Black	6'	0.4	UL/CUL	14.95	13.49	11.95	10.95
1946148	Touch	SP9715C-A	12	1200	2.1mm x 5.5mm F 2	100-120@50-60	2.9 x 2.0 x 1.7	Black	6'	0.4	UL/CSA	10.95	9.95	8.95	7.95
312865	Mean Well	ES18U12-P1J	12	1500	2.1mm x 5.5mm F 2	100-240@50-60	3.2 x 2.1 x 1.3	Black	6'	0.2	UL/CUL/CE	15.95	14.49	12.95	11.49
1940707	Mean Well	GS06U-4P1J	15	400	2.1mm x 5.5mm F 2	90-264@47-63	2.6 x 1.3 x 1.9	Black	6'	0.2	UL/CUL/CE	19.95	17.95	13.95	12.95
1940782	Mean Well	GS12U15-P1I	15	800	2.1mm x 5.5mm F 2	90-264@47-63	2.6 x 1.9 x 1.0	Black	6'	0.3	UL/CUL	20.55	18.55	14.35	13.95
1707112	Mean Well	SW12U15-P1I	15	800	2.1mm x 5.5mm F 2	100-240@50-60	2.6 x 2.0 x 1.0	Black	6'	0.5	UL/CUL/CE	14.95	13.49	11.95	9.95
380172	Mean Well	ES25U15-P1J	15	1670	2.1mm x 5.5mm F 2	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	15.75	14.75	14.03	13.60
1940715	Mean Well	GS06U-5P1J	18	330	2.1mm x 5.5mm F 2	90-264@47-63	2.6 x 1.3 x 1.9	Black	6'	0.2	UL/CUL/CE	19.95	17.95	13.95	12.95
1940791	Mean Well	GS12U18-P1I	18	670	2.1mm x 5.5mm F 2	90-264@47-63	2.6 x 1.9 x 1.0	Black	6'	0.3	UL/CUL	20.55	18.55	14.35	13.95
380190	Mean Well	ES25U18-P1J	18	1390	2.1mm x 5.5mm F 2	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	14.95	13.49	12.95	10.95
380374	Mean Well	ES25U18-P1M	18	1390	2.5mm x 5.5mm F 2	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	14.95	13.49	11.95	10.95
1940723	Mean Well	GS06U-6P1J	24	250	2.1mm x 5.5mm F 2	90-264@47-63	2.6 x 1.3 x 1.9	Black	6'	0.2	UL/CUL/CE	19.95	17.95	13.95	12.95
1940803	Mean Well	GS12U24-P1I	24	500	2.1mm x 5.5mm F 2	90-264@47-63	2.6 x 1.9 x 1.0	Black	6'	0.3	UL/CUL	18.95	16.95	14.95	13.49
319928	Mean Well	ES18U24-P1J	24	750	2.1mm x 5.5mm F 2	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	14.95	13.49	12.95	10.95
380201	Mean Well	ES25U24-P1J	24	1040	2.1mm x 5.5mm F 2	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	15.49	14.85	13.74	12.70
380219	Mean Well	ES25U28-P1J	28	890	2.1mm x 5.5mm F 2	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	15.15	14.08	13.37	12.71
380412	Mean Well	ES25U36-P1M	36	690	2.5mm x 5.5mm F 2	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	15.95	14.59	13.59	12.59
1940731	Mean Well	GS06U-8P1J	48	125	2.1mm x 5.5mm F 2	90-264@47-63	2.6 x 1.3 x 1.9	Black	6'	0.2	UL/CUL/CE	19.95	17.95	13.95	12.95
380446	Mean Well	ES25U48-P1M	48	520	2.5mm x 5.5mm F 2	90-264@47-63	3.1 x 2.1 x 1.3	Black	6'	0.5	UL/CUL/CE	13.95	12.49	11.29	9.95

▲ Manufacturer and product number may vary except for ReliaPro, Mean Well, Phihong and GlobTek

◆ Blue Part No. = Limited Quantity Available



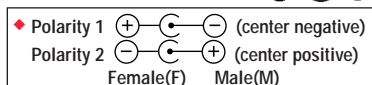
AC-to-DC Regulated Linear Wall Adapters

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319986

681571



Female

NEW
MARKED IN PINK

★ Web Code: WAZ

Part Number	Manufacturer ▲	Cross Ref. Number ▲	Output Rating		Output Connector ID x OD mm Female/Male; Polarity ◆	Input VAC @ Hz	Size H" x W" x D"	Case Color	Output Cord Length	Wt. (lbs.)	Agency Approvals	Pricing				QUANTITY (AVE)
			Voltage (VDC)	Current (mA)								1	10	50	100	
164101	Jameco ReliaPro	RDU050050	5	500	2.1mm x 5.5mm F 2	120@60	2.8 x 2.0 x 1.6	Black	6'	0.6	—	\$9.95	\$8.95	\$7.95	\$6.95	
220935	Jameco ReliaPro	DDU050060	5	600	2.1mm x 5.5mm F 1	120@60	2.7 x 2.2 x 1.9	Black	6'	0.8	UL/CUL	13.95	12.49	10.95	9.95	
319986	DVE	DV-580R	5	800	2.5mm x 5.5mm F 2	120@60	3.2 x 2.2 x 2.0	Black	6'	1.0	UL/CUL	11.95	10.95	9.95	8.95	
1953612	Jameco ReliaPro	DBU0501000	5	1000	2.1mm x 5.5mm F 2	120@60	3.3 x 2.2 x 1.9	Black	6'	1.2	UL/CSA	14.95	13.49	11.95	10.95	
168605	Jameco ReliaPro	DBU0501000	5	1000	2.5mm x 5.5mm F 2	120@60	3.3 x 2.2 x 1.9	Black	6'	1.2	UL/CSA	14.95	13.49	11.95	10.95	
681571	ITE	RWP480505-2	5	1000	2.5mm x 5.5mm right angle F 2	120@60	3.3 x 2.2 x 1.9	Black	6'	1.0	UL/CUL	9.95	8.95	7.95	6.95	
1919220	Friwo	FE4823	5	1200	2.5mm x 5.5mm F 2	120@60	3.5 x 2.4 x 1.9	Black	6'	1.2	UL/CUL	13.95	12.49	10.95	9.95	
190512	Jameco ReliaPro	DBU60020-H3570	6	200	2.1mm x 5.5mm F 2	120@60	2.2 x 1.7 x 1.5	Black	6'	0.4	UL/CUL	8.95	7.95	6.95	5.95	
283573	G.T.	DC600500	6	500	2.1mm x 5.5mm F 2	120@60	3.1 x 2.0 x 1.7	Black	6'	0.6	UL/CSA	9.95	8.95	7.95	6.95	
1953701	Jameco ReliaPro	DBU060500	6	500	2.5mm x 5.5mm F 2	120@60	3.1 x 2.0 x 1.7	Black	6'	0.6	UL/CSA	9.95	8.95	7.95	6.95	
1953719	Jameco ReliaPro	DBU0601000	6	1000	2.1mm x 5.5mm F 2	120@60	3.2 x 2.3 x 2.0	Black	6'	1.3	UL/CSA	14.95	13.49	11.95	10.95	
190529	Jameco ReliaPro	AD9123	9	250	2.5mm x 5.5mm right angle F 2	120@60	2.5 x 2.0 x 1.6	Black	12'	0.5	UL/CSA	8.95	7.95	6.95	5.95	
1953639	Jameco ReliaPro	DCU09050	9	500	2.1mm x 5.5mm F 2	120@60	3.3 x 2.2 x 1.9	Black	6'	0.9	UL/CSA	9.95	8.95	7.95	6.95	
1953647	Jameco ReliaPro	DCU09050	9	500	2.5mm x 5.5mm F 2	120@60	3.3 x 2.2 x 1.9	Black	6'	0.9	UL/CSA	9.95	8.95	7.95	6.95	
220898	Jameco ReliaPro	DCU120020	12	200	2.1mm x 5.5mm F 1	120@60	2.5 x 2.0 x 1.7	Black	6'	0.5	UL/CUL	8.95	7.95	6.95	5.95	
162996	Jameco ReliaPro	DDU120050	12	500	2.1mm x 5.5mm F 2	120@60	2.3 x 2.2 x 1.9	Black	6'	0.9	UL/CUL	10.95	9.95	8.95	7.95	
170245	Jameco ReliaPro	RDU120100	12	1000	2.1mm x 5.5mm F 2	120@60	3.2 x 2.3 x 2.0	Black	6'	1.2	UL/CUL	14.95	13.49	11.95	10.95	
1953663	Jameco ReliaPro	DCU1201000	12	1000	2.5mm x 5.5mm F 2	120@60	3.3 x 2.3 x 2.0	Black	6'	1.2	UL/CSA/CEC	14.95	13.49	11.95	10.95	
174861	Jameco ReliaPro	DFU240050	24	500	2.1mm x 5.5mm F 2	120@60	3.4 x 2.7 x 2.2	Black	6'	1.3	UL/CUL	16.55	15.08	11.49	10.91	
174879	Jameco ReliaPro	DCU090025	24	500	2.5mm x 5.5mm F 2	120@60	3.4 x 2.7 x 2.2	Black	6'	1.3	UL/CUL	14.95	13.49	11.95	10.95	
1953698	Jameco ReliaPro	DFU2401000	24	1000	2.1mm x 5.5mm F 2	120@60	3.4 x 2.7 x 2.2	Black	6'	1.3	UL/CSA	17.95	15.95	13.95	12.49	
1953671	Jameco ReliaPro	DFU2401000	24	1000	2.5mm x 5.5mm F 2	120@60	3.4 x 2.7 x 2.2	Black	6'	1.3	UL/CSA	17.95	15.95	13.95	12.49	

▲ Manufacturer and cross reference number may vary except for ReliaPro, Mean Well, Phihong and Globtek

*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product

⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Details on page 159.

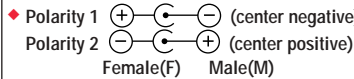


AC-to-DC Unregulated Wall Adapters

★ Web Code: UAP

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Part Number	Manufacturer ▲	Cross Ref. Number ▲	Output Rating		Output Connector ID x OD mm Female/Male; Polarity ◆	Size H" x W" x D"	Case Color	Output Cord Length	Weight (lbs.)	Agency Approvals	Pricing				QUANTITY SAVE
			Voltage (VDC)	Current (mA)							1	10	50	100	
112070	Jameco ReliaPro	DBU050022	5	225	2.5mm x 5.5mm F 2	1.9 x 2.2 x 2.0	Black	7'	0.3	UL/CSA	\$6.95	\$6.45	\$5.95	\$5.45	
155601	Jameco ReliaPro	DCU050100	5	1000	2.1mm x 5.5mm F 2	2.6 x 2.0 x 1.7	Black	6'	0.7	UL/CSA	8.05	7.31	6.64	5.48	
320303	Globtek	WRIA1000CCP-N	5	1000	2.1mm x 5.5mm F 2	3.2 x 2.3 x 1.9	Black	6'	1.0	UL/CUL	5.95	5.59	4.95	4.19	
302439	Dynage	AD-0630M	6	300	2.1mm x 5.5mm F 2	2.2 x 1.7 x 1.5	Black	6'	0.4	UL/CSA	4.49	4.25	3.95	3.49	
119255	Jameco ReliaPro	DBU060050Z2251	6	500	2.1mm x 5.5mm F 1	2.3 x 1.8 x 1.8	Black	6'	0.6	UL/CUL	6.25	5.55	4.95	4.25	
101266	Jameco ReliaPro	DBU060050E3860	6	500	2.1mm x 5.5mm F 2	2.4 x 1.9 x 1.6	Black	6'	0.4	UL/CSA	4.85	4.58	4.21	3.88	
106054	Arndt	106054	6	500	2.1mm x 5.5mm F 2	2.3 x 1.8 x 1.8	Black	6'	0.4	UL/CUL	4.25	3.95	3.75	3.49	
15544	Jameco ReliaPro	DBU060050Z8371	6	500	3.5mm M 2	2.4 x 1.9 x 1.6	Black	6'	0.4	UL/CSA	5.49	4.97	3.97	2.98	
147707	Jameco ReliaPro	DBU060080	6	800	2.1mm x 5.5mm F 2	2.3 x 2.0 x 1.6	Black	6'	0.6	UL/CSA	7.19	6.59	5.75	5.09	
220943	Jameco ReliaPro	DCU060120	6	1200	2.1mm x 5.5mm F 1	2.5 x 2.0 x 1.7	Black	6'	0.7	UL/CUL	9.95	8.95	7.95	6.95	
220951	Jameco ReliaPro	DCU075100	7.5	1000	2.1mm x 5.5mm F 1	2.5 x 2.0 x 1.7	Black	6'	0.6	UL/CUL	8.95	7.95	6.95	5.95	
248751	Uniq	AD-071A	7.5	1000	2.5mm x 5.5mm F 2	2.3 x 2.3 x 1.9	Black	6'	0.9	UL/CSA	6.95	5.95	4.95	3.95	
280250	Jameco ReliaPro	DDU075110	7.5	1100	2.1mm x 5.5mm F 2	2.9 x 2.3 x 1.9	Black	6'	0.9	UL/CUL	8.39	7.55	6.04	4.53	
127511	Jameco ReliaPro	DDU080100	8	1000	2.1mm x 5.5mm F 2	3.1 x 2.5 x 2.1	Black	6'	1.3	UL	8.75	7.72	6.80	5.10	
355936	ENG	35-9-200C	9	200	1.3mm x 3.5mm F 2	2.5 x 1.7 x 1.5	Black	6'	0.4	UL/CSA	5.95	4.95	4.49	3.95	
100845	Jameco ReliaPro	DBU090020E0850	9	200	2.1mm x 5.5mm F 2	2.1 x 1.7 x 1.5	Black	6'	0.4	UL/CSA	4.59	4.37	4.07	3.70	
134025	Jameco ReliaPro	DBU090020Z6100	9	200	2.1mm x 5.5mm F 1	2.1 x 1.7 x 1.6	Black	6'	0.4	UL/CSA	6.65	5.99	4.79	3.59	
100837	Jameco ReliaPro	DBU090020Z5490	9	200	3.5mm M 2	2.6 x 1.8 x 1.6	Black	6'	0.4	UL/CSA	5.35	5.15	4.69	4.00	
400899	WABI	LF0925OD-08	9	250	2.5mm x 3.5mm F 2	2.2 x 1.7 x 1.5	Black	6'	0.4	UL/CUL	3.75	3.49	2.95	2.49	
133891	Jameco ReliaPro	DBU090030C112	9	300	2.1mm x 5.5mm F 2	2.0 x 1.5 x 1.5	Black	6'	0.4	UL/CSA	4.45	4.37	4.07	3.70	
1585995	Motorola	SPN4622A	9	300	2.1mm x 5.5mm F 2	2.3 x 1.8 x 1.5	Black	6'	.40	UL	4.95	4.49	3.95	2.95	
1949120	Arndt	AD35-0900300DU	9	300	2.5mm x 5.5mm F 2	2.2 x 1.7 x 1.5	Black	6'	0.4	UL	4.49	3.95	2.95	2.25	
189238	Jameco ReliaPro	DBU090030H4540	9	300	2.5mm x 5.5mm F 2	2.2 x 1.7 x 1.5	Black	6'	0.4	UL/CUL	5.35	4.52	3.71	2.96	
318676	Jameco ReliaPro	DBU090030H5790	9	300	2.5mm x 5.5mm F 1	2.2 x 1.7 x 1.5	Black	6'	0.4	UL/CUL	5.65	5.40	4.92	4.18	
202155	Jameco ReliaPro	DBU090035	9	350	2.1mm x 5.5mm F 2	2.2 x 1.7 x 1.5	Black	6'	0.3	UL/CUL	4.95	4.40	3.95	3.56	
140636	Jameco ReliaPro	DCU090040	9	400	2.5mm x 5.5mm F 2	2.6 x 2.0 x 2.0	Black	6'	0.6	UL/CSA	6.09	4.86	4.25	4.05	
202171	Jameco ReliaPro	DCU090045	9	450	2.1mm x 5.5mm F 2	3.3 x 2.9 x 2.3	Black	6'	0.5	UL/CUL	4.95	4.45	3.95	2.95	
163628	Jameco ReliaPro	DCU090050Z7484	9	500	2.1mm x 5.5mm F 1	2.5 x 1.9 x 1.7	Black	6'	0.6	UL/CSA	6.95	6.35	5.75	4.95	
100853	Jameco ReliaPro	DCU090050E2961	9	500	2.1mm x 5.5mm F 2	2.5 x 1.9 x 1.7	Black	6'	0.6	UL/CSA	5.19	5.14	5.09	4.67	
147731	Jameco ReliaPro	AD-11950	9	500	2.1mm x 5.5mm F 2	2.6 x 2.0 x 1.7	Beige	6'	0.6	UL/CSA	5.45	5.25	4.74	4.26	
1810081	CUI Stack	DV-9500	9	500	2.1mm x 5.5mm F 2	2.4 x 2.0 x 1.6	Black	6'	0.6	UL/CSA	4.95	4.75	4.49	4.25	
170270	Panasonic	PQLV1	9	500	2.1mm x 5.5mm right angle F 1	2.7 x 1.9 x 1.8	Gray	6'	0.6	UL/CSA	4.95	4.49	3.95	2.95	
236937	Jameco ReliaPro	DCU090050G6440	9	500	2.5mm x 5.5mm right angle F 2	2.5 x 2.0 x 1.7	Black	6'	0.4	UL/CSA	6.95	6.25	5.99	4.55	
15561	Jameco ReliaPro	DCU090050A2011	9	500	3.5mm M 2	2.5 x 2.0 x 1.6	Black	6'	0.5	UL/CSA	6.45	5.78	5.20	4.68	
1586162	CUI Stack	DPD090050	9	500	3.5mm M 2	2.3 x 1.9 x 1.6	Black	6'	0.6	UL/CSA	4.95	4.49	3.95	3.49	
202180	Jameco ReliaPro	DCU090060F2091	9	600	2.1mm x 5.5mm F 2	3.3 x 2.9 x 2.3	Black	6'	0.6	UL/CUL	5.19	5.07	4.90	3.68	
100175	Jameco ReliaPro	DCU090060Z6652	9	600	2.5mm x 5.5mm F 2	2.7 x 2.0 x 1.7	Black	6'	0.6	UL/CSA	6.29	5.89	5.35	4.89	
652341	Cidco	SPA-4180-65	9	600	2.5mm x 5.5mm right angle F 2	2.6 x 2.0 x 1.6	Black	6'	0.6	UL/CSA	4.95	4.49	3.95	3.25	
202198	Jameco ReliaPro	DCU09080	9	800	2.1mm x 5.5mm F 2	3.3 x 2.9 x 2.3	Black	6'	0.6	UL/CUL	8.95	7.95	6.95	5.95	
421577	Powerline	0900-12	9	850	2.5mm x 5.5mm F 2	2.7 x 2.1 x 1.7	Black	6'	0.8	UL/CSA	6.95	5.95	4.95	3.95	
164929	Jameco ReliaPro	DDU090100C2550	9	900	2.1mm x 5.5mm F 1	2.7 x 2.3 x 1.8	Black	6'	0.9	UL/CUL	6.95	5.95	5.45	4.09	
364576	Jameco ReliaPro	DDU090100J0490	9	1000	2.1mm x 5.5mm F 2	2.9 x 2.3 x 1.9	Black	6'	0.9	UL/CUL	10.95	9.50	8.95	6.69	
421690	Fisher Price	SA48-29A	9	1000	2.1mm x 5.5mm F 2	3.1 x 2.2 x 1.8	Black	6'	1.1	UL/CSA	6.95	5.95	4.95	3.95	
227774	GTE	ADP2108GT	9	1000	2.1mm x 5.5mm right angle F 2	2.5 x 2.2 x 1.9	Black	6'	0.9	UL/CUL	5.95	4.95	3.95	2.95	
127504	Jameco ReliaPro	DC910F5-VP	9	1000	2.5mm x 5.5mm F 2	2.6 x 2.4 x 2.0	Black	6'	0.9	UL/CSA	10.95	9.46	8.33	6.62	
1586082	GTE	ADP2108GT	9	1000	2.5mm x 5.5mm F 2	2.6 x 2.2 x 1.9	Black	6'	0.9	UL/CSA	6.95	5.95	4.95	3.95	
15587	Jameco ReliaPro	DDU090100	9	1000	3.5mm M 2	2.6 x 2.4 x 2.0	Black	6'	0.9	UL/CSA	8.95	7.95	6.95	5.95	
130526	Jameco ReliaPro	DDE090120	9	1200	2.1mm x 5.5mm F 1	2.4 x 2.0 x 1.8	Black	6'	1.0	UL/CSA	8.95	7.95	6.95	5.95	
143693	Jameco ReliaPro	DFU0901500A3040	9	1500	2.1mm x 5.5mm F 2	3.3 x 2.5 x 2.3	Black	6'	1.3	UL/CSA	9.95	8.95	7.95	6.95	
163993	Jameco ReliaPro	DBU120020E2291	12	200	2.1mm x 5.5mm right angle F 1	2.4 x 1.7 x 1.6	Black	6'	0.4	UL/CSA	5.95	5.35	4.80	4.33	
100095	Jameco ReliaPro	DBU120020G0610	12	200	2.1mm x 5.5mm F 2	2.1 x 1.8 x 1.5	Black	6'	0.4	UL/CSA	5.19	4.70	3.75	2.80	
158043	Jameco ReliaPro	DBU120020E2261	12	200	2.1mm x 5.5mm right angle F 2	2.2 x 1.7 x 1.5	Black	6'	0.4	UL/CSA	4.85	4.54	3.81	2.85	
220433	Jameco ReliaPro	DBU120020G1220	12	200	2.5mm x 5.5mm right angle F 2	2.2 x 1.7 x 1.5	Lt. Gray	6'	0.4	UL/CSA	5.19	4.69	4.19	3.79	
185658	Jameco ReliaPro	DBU120020G1710	12	200	2.5mm x 5.5mm right angle F 2	2.2 x 1.7 x 1.5	Black	6'	0.4	UL/CSA	6.34	5.71	4.57	3.43	
219601	Jameco ReliaPro	DCU120025	12	250	Stripped & tinned	2.5 x 2.0 x 1.7	Dk. Gray	6'	0.4	UL/CUL	6.35	5.68	4.52	3.54	
318692	Jameco ReliaPro	DBU120030H5770	12	300	1.3mm x 3.5mm right angle F 2	2.2 x 1.7 x 1.5	Black	6'	0.4	UL/CSA	4.59	3.73	3.29	2.87	
127976	Jameco ReliaPro	DCU120030	12	300	2.1mm x 5.5mm F 2	2.6 x 1.8 x 1.6	Black	6'	0.7	UL/CSA	5.99	5.66	5.04	4.64	
249236	Jameco ReliaPro	DBU120030G8970	12	300	2.5mm x 5.5mm right angle F 2	2.2 x 1.7 x 1.5	Black	6'	0.5	UL/CUL	6.45	5.79	4.64	4.19	
190503	Jameco ReliaPro	ADA-410	12	400	2.1mm x 5.5mm right angle F 2	2.6 x 2.1 x 1.9	Black	6'	0.5	UL/CUL	10.35	9.32	7.46	5.63	

▲ Manufacturer and cross reference number may vary except for ReliaPro, Mean Well, Pihong and Globtek

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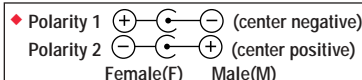
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			Voltage (VDC)	Curr. (mA)							1	10	50	100
114825	Jameco ReliaPro	DCU120050D4740	12	500	Stripped & tinned	2.5 x 2.0 x 1.7	Black	6'	0.6	UL/CUL	\$6.29	\$4.99	\$4.37	\$4.10
695252	ITE Power	AD-41120500	12	500	1.3mm x 3.5mm F 2	2.5 x 2.0 x 1.6	Black	6'	0.6	UL/CUL	5.95	4.95	3.95	2.95
15368	Jameco ReliaPro	DCU120050Z8698	12	500	2.1mm x 5.5mm F 1	2.5 x 1.9 x 1.6	Black	6'	0.6	UL/CSA	7.45	7.25	6.95	6.59
102496	Jameco ReliaPro	DCU120050	12	500	2.1mm x 5.5mm F 2	2.5 x 1.9 x 1.6	Black	6'	0.6	UL/CSA	6.95	6.59	5.95	5.45
131300	Jameco ReliaPro	DCU120050E0251	12	500	2.1mm x 5.5mm right angle F 2	2.6 x 1.9 x 1.7	Beige	6'	0.6	UL/CSA	7.39	6.66	5.78	5.08
102277	Jameco ReliaPro	DCU120050UE2631	12	500	2.5mm x 5.5mm F 2	2.5 x 2.1 x 1.7	Black	6'	0.6	UL/CSA	7.35	6.72	5.95	5.49
695261	Spec-Lin	L4D-120050R-2.5	12	500	2.5mm x 5.5mm F 2	2.5 x 2.0 x 1.6	Black	6'	0.6	UL/CUL	5.95	5.35	4.79	4.25
17267	Jameco ReliaPro	DCU120050Z5391	12	500	3.5mm M 2	2.5 x 1.9 x 1.6	Black	6'	0.6	UL/CSA	6.79	6.50	5.86	5.32
202201	Jameco ReliaPro	DCU120060	12	600	2.1mm x 5.5mm F 2	3.3 x 2.9 x 2.3	Black	6'	0.6	UL/CUL	7.45	6.92	6.09	4.75
202219	Jameco ReliaPro	DCU120070	12	700	2.1mm x 5.5mm F 2	3.3 x 2.9 x 2.3	Black	6'	0.6	UL/CUL	6.95	6.35	5.75	4.95
121232	Jameco ReliaPro	DDU120080F2271	12	800	3.5mm M 2	2.6 x 2.4 x 2.0	Black	6'	0.9	UL/CSA	7.29	6.56	5.25	4.93
117479	Jameco ReliaPro	DDU120080E6451	12	800	2.1mm x 5.5mm F 2	3.0 x 2.3 x 2.0	Black	6'	0.9	UL/CSA	7.99	7.36	6.77	5.08
129331	Jameco ReliaPro	DDU120080F2412	12	800	2.5mm x 5.5mm F 2	3.0 x 2.3 x 2.0	Black	6'	0.9	UL/CSA	7.39	6.65	5.98	5.38
100870	Jameco ReliaPro	DDU120100Z7974	12	1000	2.1mm x 5.5mm F 2	2.6 x 2.4 x 1.9	Black	6'	0.9	UL/CSA	10.79	9.71	8.74	7.86
105478	Jameco ReliaPro	DDU120100Z2993	12	1000	2.5mm x 5.5mm F 2	3.1 x 2.4 x 2.0	Black	6'	1.0	UL/CSA	8.49	7.49	6.39	4.79
1950788	Arndt	WD481201000	12	1000	2.5mm x 5.5mm F 2	3.1 x 2.4 x 2.0	Black	6'	1.0	UL/CSA	6.95	6.25	5.59	4.69
189579	Fellowes	BCU12100	12	1000	2.5mm x 5.5mm right angle F 2	3.2 x 2.2 x 1.9	Black	6'	1.0	UL/CSA	5.95	5.49	4.75	3.75
15392	Jameco ReliaPro	DDU120100E7302	12	1000	3.5mm M 2	3.3 x 2.4 x 2.0	Black	6'	1.0	UL/CSA	8.75	7.88	7.09	6.38
196779	Jameco ReliaPro	DDU120120	12	1200	2.5mm x 5.5mm F 2	3.0 x 2.3 x 1.9	Black	6'	1.0	UL/CUL	9.69	8.70	7.81	6.92
203036	Jameco ReliaPro	DDU120150	12	1500	2.1mm x 5.5mm F 1	3.3 x 2.2 x 1.9	Black	6'	1.5	UL/CUL	13.95	12.95	10.39	8.95
313226	Jameco ReliaPro	DFU120150H4490	12	1500	Stripped & tinned (w/ on-off switch)	3.4 x 2.6 x 2.2	Black	8'	1.5	UL	16.39	14.86	13.51	11.35
136881	Jameco ReliaPro	DDU120150K1960	12	1500	2.1mm x 5.5mm F 2	3.4 x 2.7 x 2.2	Black	6'	1.5	UL	14.99	13.46	11.99	8.99
101291	Jameco ReliaPro	D571201500U	12	1500	2.5mm x 5.5mm F 2	3.4 x 2.7 x 2.2	Black	6'	1.5	UL	13.85	12.89	10.96	8.22
1928151	Leader	481215003CT	12	1500	2.5mm x 5.5mm F 2	3.4 x 2.3 x 2.1	Black	6'	1.5	UL/CUL	10.95	9.95	7.95	6.95
308099	Jameco ReliaPro	DDU135100	13.5	1000	2.1mm x 5.5mm F 2	2.9 x 2.3 x 1.9	Black	6'	1.0	UL/CUL	9.89	8.90	7.12	5.34
212821	Jameco ReliaPro	DBU140030	14	300	2.1mm x 5.5mm F 2	2.2 x 1.7 x 1.5	Black	6'	0.8	UL/CUL	6.55	5.88	4.69	4.04
129314	Jameco	DV-1250	14	360	2.5mm x 5.5mm right angle F 2	2.3 x 2.0 x 1.6	Black	6'	0.6	UL/CSA	4.95	3.95	3.25	2.95
123932	Jameco ReliaPro	DDU140070	14	700	2.1mm x 5.5mm F 2	2.6 x 2.4 x 2.0	Black	6'	1.0	UL/CSA	7.95	6.95	5.95	4.95
202260	Jameco ReliaPro	DDU140100	14	1000	2.1mm x 5.5mm F 2	3.9 x 2.9 x 2.4	Black	6'	0.9	UL/CUL	10.95	9.56	8.60	6.45
190001	Jameco ReliaPro	DCU150050E3021	15	500	2.1mm x 5.5mm F 2	2.3 x 2.4 x 1.9	Black	6'	0.8	UL/CSA	6.79	6.11	5.55	4.89
189982	Jameco ReliaPro	DCU150050E3031	15	500	2.5mm x 5.5mm F 2	2.3 x 2.4 x 1.9	Black	6'	0.8	UL/CSA	7.99	7.27	5.83	4.38
155803	Jameco ReliaPro	DDU150060	15	600	2.1mm x 5.5mm F 1	2.9 x 2.3 x 1.9	Black	6'	1.0	UL/CSA	8.95	7.95	6.95	5.95
203502	Jameco ReliaPro	DDU150090	15	900	2.5mm x 5.5mm F 2	2.6 x 2.2 x 1.9	Black	6'	1.0	UL/CSA	9.95	9.59	8.59	6.36
151992	Jameco ReliaPro	DDU150100E8181	15	1000	2.1mm x 5.5mm F 1	3.1 x 2.0 x 1.9	Beige	6'	1.5	UL/CSA	7.95	6.95	5.95	4.95
191652	Jameco ReliaPro	DDU150100D7051	15	1000	2.1mm x 5.5mm F 2	3.3 x 2.2 x 1.9	Black	6'	1.0	UL/CSA	11.09	9.99	8.99	8.09
681563	Ault	P48151000A020G	15	1000	2.5mm x 5.5mm F 2	3.3 x 2.3 x 1.9	Black	6'	1.2	UL/CSA	8.95	7.95	6.95	5.90
162317	Jameco ReliaPro	DDU165050	16	500	2.1mm x 5.5mm F 2	2.5 x 2.0 x 1.7	Black	6'	0.8	UL/CSA	10.49	9.18	8.24	7.38
181729	Jameco ReliaPro	DCU180025	18	250	2.1mm x 5.5mm F 2	2.6 x 2.0 x 1.6	Black	6'	0.6	UL	5.95	4.55	3.95	3.55
217568	NiteRider	FE4126180P040	18	400	2.5mm x 5.5mm F 2 w/ LED indicator	3.5 x 2.1 x 1.6	Black	6'	0.8	UL/CUL	5.95	5.35	4.79	4.25
163272	Jameco ReliaPro	DDU180050-2	18	500	2.1mm x 5.5mm F 2	2.6 x 2.3 x 1.9	Black	6'	0.8	UL/CUL	6.95	6.45	5.95	5.45
206958	Jameco ReliaPro	DDU180100	18	1000	2.5mm x 5.5mm F 2	3.3 x 2.2 x 1.9	Black	6'	1.4	UL/CUL	10.95	9.86	7.91	5.93
102285	Jameco ReliaPro	DDU240040	24	400	2.1mm x 5.5mm F 2	3.0 x 2.3 x 2.0	Black	6'	0.9	UL/CUL	8.75	7.91	7.09	6.43
163635	Jameco ReliaPro	DDU240050C1981	24	500	2.1mm x 5.5mm F 1	3.1 x 2.3 x 1.9	Black	6'	1.0	UL/CUL	9.95	8.95	7.95	6.95
191556	Jameco ReliaPro	DDU240050E5852	24	500	2.5mm x 5.5mm F 2	3.1 x 2.3 x 1.9	Black	6'	1.0	UL/CUL	9.79	9.28	9.10	8.93
139088	Jameco ReliaPro	DDU240050E9160	24	500	3.5mm M 2	3.1 x 2.3 x 1.9	Black	6'	1.0	UL/CUL	10.95	9.95	8.95	7.95
168495	Jameco ReliaPro	DFU240080	24	800	2.1mm x 5.5mm F 2	2.9 x 1.9 x 1.6	Black	6'	0.4	UL/CUL/TUV	13.29	11.85	10.65	9.75
220960	Jameco ReliaPro	DFU240100	24	1000	2.1mm x 5.5mm F 1	3.4 x 2.7 x 2.2	Black	6'	1.6	UL/CUL	13.95	12.95	11.95	9.95
249130	Jameco ReliaPro	AFU240120/G8530	24	1200	2.1mm x 5.5mm F 1	3.4 x 2.7 x 2.2	Black	6'	1.7	UL/CUL	15.95	14.95	13.95	12.45
249121	Jameco ReliaPro	DFU240120/G8520	24	1200	2.1mm x 5.5mm F 2	3.4 x 2.7 x 2.2	Black	6'	1.7	UL/CUL	16.95	15.95	13.95	11.95
249113	Jameco ReliaPro	DFU240120/G8510	24	1200	2.5mm x 5.5mm F 2	3.4 x 2.7 x 2.2	Black	6'	1.7	UL/CUL	16.95	15.95	13.95	11.95
199523	Jameco ReliaPro	DDU300050	30	500	2.5mm x 5.5mm F 2	2.9 x 2.3 x 1.9	Black	6'	1.1	UL/CUL	11.75	10.55	8.44	6.33
215095	Jameco ReliaPro	MW48-4800250	48	250	2.5mm x 5.5mm F 2	2.9 x 2.3 x 1.9	Black	6'	1.1	UL/CUL	7.95	7.45	6.95	4.95
215109	Jameco ReliaPro	MW57-4800500	48	500	2.5mm x 5.5mm F 2	3.3 x 2.7 x 2.2	Black	6'	1.1	—	10.95	9.86	7.89	6.35
230640	Jameco ReliaPro	MW57-4800500-2.1	48	500	2.1mm x 5.5mm F 2	3.3 x 2.7 x 2.2	Black	6'	1.1	—	11.95	10.76	8.60	6.45
15309	Jameco ReliaPro	900-051	3, 4.5, 6, 7.5, 9, 12	500	1.3 x 3.5, 2.1 x 5.0, 2.5 x 5.5 Female 2.5, 3.5 Male, 9V battery snap (LED Ind.)	3.0 x 2.2 x 2.1	Black	6'	0.7	UL/CSA	11.49	10.43	9.32	7.07
123158	Jameco ReliaPro	900-100	1.5, 3, 4.5, 6, 7.5, 9, 12	1000	1.3 x 3.5, 2.1 x 5.0, 2.5 x 5.5 Female 2.5, 3.5 Male, 9V battery snap (LED Ind.)	3.7 x 2.2 x 2.5	Black	6'	0.9	None	10.95	9.86	8.87	6.59

† 120 to 220VAC

▲ Manufacturer and cross reference number may vary except for Jameco ReliaPro, Mean Well, Philhong and Globtek

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- Input voltage: 90-264VAC @ 47-63Hz
- Output connector: 2.1mm x 5.5mm female center positive
- Load regulation: $\pm 5\%$
- Regulated output
- Power-On LED
- Energy Star and ECOC compliant
- Double insulated
- Class B EMI



Wall Adapters (plug clip required, see below)

- Applications: wireless communications, portable equipment, digital camera, peripherals, networking

RPA (USA) (European) RPE (UK) RPK RPS (Australia)

NEW
MARKED IN PINK

*Web Code: NBH

Part No.	Product No.	Mfr.	Power (W)	Output Volt. (VDC)	Current (A)	Ripple (mVp-p)	Line Regulation (%)	Efficiency (%)	Dimensions (L" x W" x H")	Pricing			
										1	10	50	100
1950761	163-1149B	ITE	5	5	1.0	50	$\pm 1\%$	60-75	2.8 x 1.8 x 1.2	\$11.95	\$10.95	\$9.95	\$8.95
228743	PSA05R-050-R	Phihong	5	5	1.0	50	$\pm 1\%$	60-75	2.8 x 1.8 x 1.2	19.95	17.95	15.95	13.95
662881	PSM11R-120	Phihong	10	12	0.84	120	$\pm 5\%$	65 - 70	2.8 x 1.8 x 1.2	19.95	17.95	15.95	13.95
1586226	PSA15R-050-R	Phihong	15	5	3.0	50	$\pm 5\%$	70 - 85	2.8 x 2.0 x 1.3	22.95	20.49	18.95	16.95
662910	PSA15R-120P	Phihong	15	12	1.25	120	$\pm 5\%$	70 - 85	2.8 x 2.0 x 1.3	22.95	20.49	18.95	16.95

Plug Clip Kit (sold separately, required for above adapters)

Part No.	Product No.	Mfr.	Description	1	10	50	100
229163	RPE	Phihong	European plug (1)	\$.70	\$.62	\$.59	\$.56
229181	RPKIT	Phihong	Kit includes RPA/RPE/RPK/RPS (4)	3.39	2.95	2.65	2.39

JAMECO ReliaPro

"Slim Line" Regulated Switching Wall Adapters

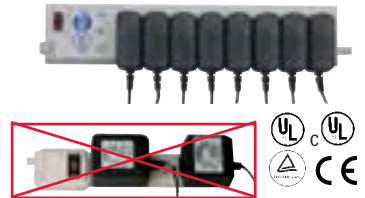
Compact in size and lightweight, they are the perfect power solution in all those applications where space is critical. And their high efficiency satisfies requirements for minimizing power losses. You no longer have to deal with traditional wall adapters that block unused outlets in wall plates and power strips/surge protectors.

- 2-wire AC input
- Input voltage: 100 - 240VAC @ 47-63Hz
- Output connector: 2.1mm x 5.5mm F2 (center positive)
- Color: black
- Output cord length: 6'
- One-year warranty

NEW
MARKED IN PINK

JAMECO
EXCLUSIVE

We'll Brand the Adapters
With Your Company Name
Call 1-800-831-4242 for Details



CEC Equivalents Available Below

Choose from 2 Models!		Output Rating		Size (H"xW"xD")	Wt. (lbs.)	Pricing			
RoHS Part No.	CEC Part No.	Volt (VDC)	Curr. (mA)			1	10	50	100
251564	251565	3.3	1500	2.5x1.1x1.7	0.2	\$12.95	\$11.49	\$10.49	\$7.95
252701	—	5	500	2.5x1.1x1.7	0.2	11.95	10.95	9.95	7.45
252719	252720	5	1000	2.5x1.1x1.7	0.2	12.79	11.49	10.39	9.29
252727	252728	5	1500	2.5x1.1x1.7	0.2	12.65	11.47	10.59	7.94
252735	252736	5	2500	2.9x1.3x2.2	0.3	13.15	11.94	10.99	10.60
252752	252753	9	500	2.5x1.1x1.7	0.2	12.05	10.94	10.09	9.74
1950841	—	9	1000	2.5x1.1x1.7	0.2	12.65	11.47	10.59	10.22
252778	252779	9	1200	2.9x1.3x2.2	0.3	13.15	11.94	10.99	10.60
252786	—	9	1500	2.9x1.3x2.2	0.3	13.95	12.49	11.29	10.19

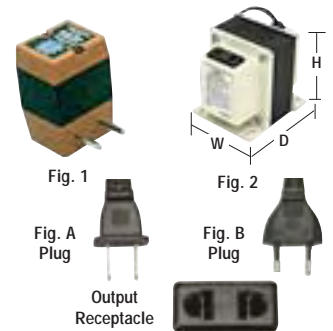
Choose from 2 Models!		Output Rating		Size (H"xW"xD")	Wt. (lbs.)	Pricing			
RoHS Part No.	CEC Part No.	Volt (VDC)	Curr. (mA)			1	10	50	100
252794	252795	12	250	2.5x1.1x1.7	0.2	\$11.55	\$10.47	\$9.67	\$7.25
252807	252808	12	500	2.5x1.1x1.7	0.2	12.05	10.93	10.09	9.74
252815	252816	12	600	2.5x1.1x1.7	0.2	12.65	11.47	10.59	10.22
252823	252824	12	1000	2.9x1.3x2.2	0.3	13.15	11.94	10.99	10.60
252832	—	12	1250	2.9x1.3x2.2	0.3	14.55	13.25	12.19	11.75
254757	—	15	800	2.9x1.3x2.2	0.2	13.45	12.11	9.69	7.27
252903	252904	15	1000	2.9x1.3x2.2	0.3	15.95	14.49	13.37	12.90
252858	—	24	250	2.5x1.1x1.7	0.2	12.05	10.93	10.09	7.57
252866	—	24	500	2.9x1.3x2.2	0.3	13.15	11.94	10.99	10.60
252874	—	24	630	2.9x1.3x2.2	0.3	13.75	12.47	11.94	11.52

International Step-Up & Step-Down Transformers

*Web Code: RAL

Part Number	Cross Ref. Number*	Fig.	Type	Primary Voltage	Secondary Voltage	Power (VA)	Dimensions			Wt. (lbs.)	Pricing		
							H"	W"	D"		1	10	100
99477	AC220V50	1/A	Auto	110VAC	220VAC	50	2.50	1.63	1.33	0.7	\$9.25	\$8.35	\$6.25
85008	AC220V300	2/A	Auto	110VAC	220VAC	300	3.50	3.05	3.95	4.8	41.95	37.35	33.60
221331	G1S-500	2/A	Isolation	110VAC	110VAC	500	4.69	3.75	6.00	16.0	79.95	71.95	64.95
221217	P8689	2/A	Auto	110VAC	220VAC	1000	4.63	3.75	6.13	17.0	91.75	87.45	65.59
99573	AC110V50	1/B	Auto	220VAC	110VAC	50	2.50	1.63	1.33	0.7	10.65	9.05	6.79
85016	AC110V300	2/B	Auto	220VAC	110VAC	300	3.50	3.05	3.95	4.8	34.95	33.69	29.95
111851	AC110V500	2/B	Auto	220VAC	110VAC	500	3.99	3.60	4.84	8.5	55.95	50.35	48.49
142906	AC110V1500	2/B	Auto	220VAC	110VAC	1500	5.25	4.50	5.75	15.2	104.99	94.49	83.99

* Manufacturer may vary



Quick-Connect Power Transformers

- Quick-connect transformers are bobbin wound for smaller size and reduced electrostatic shielding requirements
- Input voltage: 115/230VAC, 50-60Hz
- Terminals: quick-connect, solder

*Web Code: BAN

Part No.	Cross Ref. No.	Triad Cross*	Input Voltage	Output Voltage	VA	Size of Connect	Dimensions			Wt. (lbs.)	Pricing		
							L"	W"	H"		1	10	100
104408	XFR1635Q	FD716†	115/230VAC	16VCT @ 3.5A	56.0	0.141"	2.25	2.68	2.33	1.8	\$12.95	\$11.49	\$9.95
101864	XFR2424Q	FD724	115/230VAC	24VCT @ 2.4A	57.6	0.141"	2.10	2.70	2.29	1.7	11.95	9.95	8.95
104417	XFR3615Q	FD736	115/230VAC	36VCT @ 1.5A	54.0	0.141"	2.30	2.70	2.30	1.8	13.95	12.49	10.95

† Terminal solder lugs are on same side

* Triad cross is for reference only

*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product

This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 159.

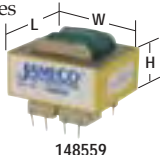
2.5 to 12.6VA Split-Bobbin Power Transformers

*Web Code: LBK

QUANTITY
SAVE

Non-concentrically wound with primaries and secondaries side-by-side providing low capacitive coupling.

- Primary: 115/230VAC, 50-60Hz
- PC terminal pin spacing for accurate placement



Part No.	Cross Ref. No.	Triad Cross*	Input Voltage	VA	Individual Output	Parallel Output	Series Output	Dimensions	Wt. (lbs.)	Pricing
								L" W" H"		1 10 100
221292	DSW-312	FS12200	115/230	2.5	6.3V @ .20A	6.3V @ .40A	12.6VCT @ .20A	1.38 1.13 1.19	0.3	\$8.95 \$8.20 \$6.19
102534	XFR1205SB	FS12500	115/230	6.3	6.3V @ .50A	6.3V @ 1.0A	12.6VCT @ .50A	1.32 1.64 1.38	0.4	9.55 8.60 6.45
102593	XFR2405SB	FS24500	115/230	12.0	12V @ .50A	12V @ 1.0A	24VCT @ .50A	1.58 1.90 1.46	0.7	8.95 6.95 5.06
148559	XFR3603SB	FS36350	115/230	12.6	18V @ .35A	18V @ .70A	36VCT @ .35A	1.59 1.91 1.46	0.7	7.95 6.95 5.95

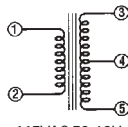
* Triad cross is for reference only

7.6 to 288VA Power Transformers

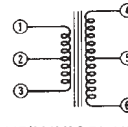
*Web Code: JAM

Power transformers have both single and dual-voltage input and center-tapped outputs. This makes them the perfect choice for power supply design or for use in transformer, rectifier and filter circuits.

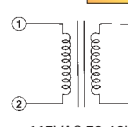
- Primary: 115VAC or 115/230VAC, 50-60Hz



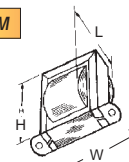
115VAC 50-60Hz
Fig. 1



115/230VAC 50-60Hz
Fig. 2



115VAC 50-60Hz
Fig. 3



Part No.	Cross Ref. No.	Triad Cross*	Primary Color Code	Secondary Voltage	Color Code	Lead Type	Fig.	Dimensions	Wt. (lbs.)	Pricing
								L" W" H"		1 10 100
102163	XFR6102	F314X	Black Yellow*	7.6	6.3VCT @ 1.2A	White Black*	Wire 2	1.84 2.40 1.67	0.8	\$13.29 \$11.30 \$8.47
105523	XFR0910	—	Black White*	9.0	9VCT @ 1A	Blue Black*	Wire 2	1.82 2.43 1.67	0.7	6.99 6.25 4.95
221400	P-8657	F218X	Black —	24.0	12VAC @ 2A	White —	Wire 3	1.89 2.75 1.99	1.3	9.95 9.45 5.99
221356	P-8658	F219X	Black —	48.0	12VAC @ 4A	White —	Wire 3	2.25 4.00 2.63	2.3	13.95 12.95 10.35
29226	XFR122	F44X	Yellow —	25.2	12.6VCT @ 2A	Blue Red*	Wire 1	2.41 2.79 1.99	1.5	13.29 11.30 8.48
102155	XFR1220	F344X	Black Yellow*	25.2	12.6VCT @ 2A	White Black*	Wire 2	2.35 2.32 1.97	1.5	13.55 11.59 8.69
149771	XFR1240	F3181U	Black Red*	50.4	12.6VCT @ 4A	White Black*	Wire 2	2.45 3.20 2.25	2.2	16.09 14.52 13.03
102121	XFR124	F181U	Black —	50.4	12.6VCT @ 4A	White Black*	Wire 1	2.45 3.21 2.26	2.7	18.09 16.29 14.65
105532	XFR1810	—	Blue Red*	18.0	18VCT @ 1A	Yellow Black*	Wire 2	2.20 2.81 1.99	1.2	9.29 8.29 6.29
149957	XFR1820	—	Black Red*	36.0	18VCT @ 2A	White Black*	Wire 2	2.25 3.15 2.71	1.8	11.25 9.48 8.45
221382	P-8396	—	Black —	9.6	24VCT @ 0.4A	White Black*	Wire 1	1.63 2.80 1.97	0.6	8.25 7.01 5.26
102112	XFR2410	F346X	Black Yellow*	24.0	24VCT @ 1A	White Black*	Wire 2	2.41 2.80 1.99	1.5	10.75 9.14 6.86
221373	P-8662	F192X	Black —	48.0	24VCT @ 2A	White Black*	Wire 1	2.44 3.60 2.23	2.3	13.95 11.95 9.95
112513	XFR242N	F229X	Black —	48.0	24VAC @ 2A	White —	Wire 3	2.33 3.16 2.28	1.8	13.95 12.60 11.32
221365	P-8663	F193U	— —	96.0	24VCT @ 4A	— —	Lug 1	2.81 2.94 4.00	4.0	20.95 19.72 16.52
221411	P-8666	F226U	— —	288.0	24VCT @ 12A	— —	Lug 1	4.63 3.75 4.63	11.2	39.95 37.95 36.95
99654	XFR242	—	Red —	49.2	24.6VCT @ 2A	Blue Yellow*	Wire 1	2.44 3.22 2.30	2.5	16.59 14.10 10.58
102104	XFR2520	F341X	Black White*	50.4	25.2VCT @ 2A	Orange Black*	Wire 2	2.45 3.22 2.26	2.8	17.59 15.82 11.86
149797	XFR2820	F3185U	Black Red*	56.0	28VCT @ 2A	White Black*	Wire 2	2.45 3.22 2.26	2.3	13.65 12.35 9.10

† Solder terminals

* Center tap

Triad cross is for reference only

500 to 200VA Variable Transformers

- Input: 110VAC or 220VAC
- Power: 500, 1000 or 2000VA
- Output: 0-240VAC
- Banana/screw input terminals
- Universal US/European output plugs
- Lighted on/off power switch



Part No.	Fuse	Size (L" x W" x H")	Wt. (lbs.)
121276	3A/250V (P/N 69439)	5.3 x 7.3 x 7.0	10.4
129008	5A/250V (P/N 10401)	9.4 x 6.5 x 7.7	14.8
152582	10A/250V (P/N 69462)	9.0 x 7.0 x 7.7	19.8

Part No.	Description	1	10	50
121276	500VA trans. R	\$109.95	\$99.95	\$79.95
129008	1000VA trans. R	\$199.95	\$175.95	\$120.95
152582	2000VA trans. R	\$245.95	\$219.95	\$175.95

Current Sensing Transformer

- Inductance: 5mH • Turns: 60
- Sensitivity current (I_{in}): 1A
- Freq. range: 10-50 kHz
- Sensitivity voltage (V_{out}): 1V
- Terminating resistor: 50Ω
- Max. current: 300mA • Size: 0.7"W x 0.46"D x 0.8"H



Part No.	Cross Ref. No.	1	10	100
164718	MTC30101	\$1.95	\$1.85	\$1.35

320VA Variable AC Transformer

- Input voltage: 110VAC @ 50-60Hz
- Matching input/output terminals: P/N 103668 & 109112 (disconnect .25" solderless terminals), pg 71
- Maximum current: 2.5A
- Shaft length: 0.5"
- Size: 2.8"Dia. x 2.1"H
- Weight: 2.5 lbs.
- Panel mount
- One-year warranty



Includes: 3 disconnect .25" solderless terminals

Part No.	Description	1	10	50
149324	320VA variable R	\$54.99	\$49.99	\$44.99

EMI Suppression Cores with Case

Reduce Electromagnetic Interference (EMI) with a snap of these suppression cores around a power cord or data cord. Easy to install and an affordable way to reduce EMI without redesigning your product.



Round

Part No.	Size (OutDia. x InDia. x L)	1	10	100
218174	.64" x .20" x 1.15" R	\$1.25	\$1.05	\$0.79
217842	.78" x .34" x 1.40" R	1.45	1.29	1.15

Square

Part No.	Size (L" x W" x H")	1	10	100
421681	1.30 x .70 x .77 (black) R	\$2.25	\$1.95	\$1.49

Blue Part No. = Limited Quantity Available

550VA Variable AC Transformer

- Input volt.: 110VAC @ 60Hz
- Output volt.: 0-140VAC • Panel mount
- Rated current: 5A • One-year warranty
- Input/output terminals: binding post with 0.188" diameter post
- Size: 4.3"Dia. x 4.0"H • Weight: 6.8 lbs.



Part No.	Description	1	10	50
152937	550VA variable R	\$75.95	\$64.79	\$60.91

*Variable Transformers online — enter web code MAR

Isolation Transformer 120VAC to 120VAC

- 300VA
- Input connector: 5.5' cord with 2-prong plug
- Input voltage: 120VAC @ 60Hz
- Output voltage: 120VAC @ 2.5A (isolated)
- Size: 4.2"H x 3.2"W x 4.6"D • Weight: 7.0 lbs.



Part No.	Cross Ref. No.	1	10	100
181315	ITR300	\$49.95	\$46.95	\$44.95

The Best Warranty in the Industry

All Jameco purchases are guaranteed for a full 90 days and even longer for Jameco House Brands.

*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 159.



Plug Detail – Industry Standard Designations



JAMECO ValuePro

2 & 3-Conductor Pigtail, Detachable & Hospital Grade Power Cords

- Molded connectors
- Excellent resistance to jacket abrasion
- Voltage rating: 300 volts
- Temperature: -20°C to +60°C

NEW
MARKED IN PINK



★ Web Code: UBF

AWG	Volts	Amps	VA
18	125	10	1250
16	125	12	1500
14	125	15	1875

Part No.	Cross Ref. No.	*Mfr.	Wt.	Fig.	Length	Color	AWG	Cord Type*	Pricing			
									1	10	50	100

2-Conductor Line Cord with Pigtail

124434	ST008	JVP	.16	1	6'	Black	18/2	SPT-2	\$1.99	\$1.60	\$1.44	\$1.32
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2-Conductor "8" Style Power Cords for Laptops and Power Supplies

189587	VW-1	♦	.30	2A	6'	Black	18/2	SPT-2	\$1.99	\$1.89	\$1.79	\$1.65
355944	VW-1G	♦	.30	2A	6'	Gray	18/2	SPT-2	1.75	1.59	1.39	1.25

2-Conductor "D" Style Power Cord for Laptops and Power Supplies

200791	LL114039	♦	.30	2B	6'	Black	18/2	SPT-2	\$1.99	\$1.89	\$1.79	\$1.65
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2-Conductor AC Plug Fan Power Cords

1952572	Straight	♦	.40	3	6'	Black	18/2	SPT-2	\$2.95	\$2.49	\$2.19	\$1.95
1952581	45°	♦	.40	3	6'	Black	18/2	SPT-2	2.95	2.49	2.19	1.95

3-Conductor Power Cords with Pigtail (290 Plug)

38009	17237	JVP	.31	4	6'	Gray	18/3	SVT	\$3.89	\$3.49	\$2.99	\$2.79
173810	17405	JVP	.14	4	6'	Gray	18/3	SJT	4.39	3.95	3.49	3.19
37997	17236	JVP	.30	4	6'	Black	18/3	SVT	3.69	3.19	2.75	2.49
159410	17405B	JVP	.37	4	6'	Black	18/3	SJT	4.39	3.95	3.49	3.19
38025	17238	JVP	.12	4	8'	Black	18/3	SVT	4.79	4.39	3.75	3.35
1585514	CPB-FL-08	♦	.56	4	8'	Black	18/3	SVT	4.95	4.59	3.95	3.49
102007	17535B	♦	.49	4	10'	Black	18/3	SVT	4.95	4.59	3.95	3.49
196286	LL40378	JVP	.80	4	10'	Black	16/3	SJT	5.95	5.49	4.95	4.45
166925	17516	JVP	.41	4	6'7"	Black	14/3	SJT	6.79	6.29	5.79	5.59
100272	17629B	JVP	.88	4	9'	Black	14/3	SJT	6.89	6.39	5.95	5.69

† European standard insulation color code †† with crimped terminals (3)

3-Conductor Detachable Power Cords (Unshielded) 290B/386A

38041	17249	♦	.37	5	6'	Beige	18/3	SVT	\$2.95	\$2.69	\$2.39	\$1.99
103747	17248	♦	.34	5	6'	Gray	18/3	SVT	4.95	4.69	3.79	3.19
38050	17250	♦	.36	5	6'	Black	18/3	SVT	4.85	4.59	3.69	3.09
132118	17500	JVP	.44	5	6'	Black	18/3	SJT	4.95	4.69	3.79	3.19
1585637	171096	♦	.60	5	8'	Black	18/3	SVT	3.95	3.75	3.49	3.19
171096	17758	♦	.60	5	8'	Black	18/3	SJT	5.29	4.95	4.65	4.29
117584	17502	JVP	.37	5	8'	Gray	18/3	SVT	5.29	4.95	4.65	4.29
102024	17501V	JVP	.55	5	10'	Black	18/3	SVT	4.75	4.07	3.71	3.35
163361	6952299	♦	.33	5	14'	Black	18/3	SJT	6.95	6.49	5.95	5.49
1928441	LL61597	♦	2.0	5	25'	Black	18/3	SVT	7.95	7.49	6.95	5.95
340291	17001A	JVP	.31	5	3'	Black	16/3	SJT	3.95	3.19	2.95	2.75
159361	17602	♦	.52	5	6'	Black	16/3	SJT	6.49	5.95	5.35	4.95
1537230	LL34877	♦	.72	5	8'	Black	16/3	SJT	6.69	5.95	4.95	4.19
125541	17504	JVP	.72	5	6'7"	Black	14/3	SJT	6.95	6.49	5.95	5.49

* Thermoplastic Cord Jacket Type: SPT-2 (Flat); Junior duty: SVT (Round); Light service: SJT (Round); Junior service

* JVP = Jameco ValuePro | SLA = Sola | ♦ = Manufacturer Varies

3-Conductor Detachable Power Cords (Shielded) 290B/386A Plugs

213874	17660BG	JVP	.40	5	6'	Beige	18/3	SVT	\$3.95	\$3.39	\$3.09	\$2.95
161761	17742	SLA	.40	5	6'	Black	18/3	SVT	4.49	3.75	3.39	3.09
1537459	LL6415	♦	.40	5	9'10"	Black	18/3	SJT	4.49	3.75	3.39	3.09

3-Conductor Computer Power Supply Extension Cords (150/386A Plugs)

28468	PEC	JVP	.36	6	6'	Black	18/3	SVT	\$3.89	\$3.50	\$3.15	\$2.85
319804	LR94903	♦	.82	6	6'	Gray	18/3	SVT	3.95	3.49	2.95	1.95
420224	10W1-02212	JVP	.53	6	12'	Black	18/3	SVT	4.95	4.49	3.95	3.59

3-Conductor Right Angle Power Cord with Pigtail (Unshielded) 910 Plug

340056	17537	JVP	.37	7	9'10"	Black	18/3	SJT	\$3.95	\$3.59	\$3.19	\$2.89
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3-Conductor Right Angle Detachable Power Cords (Unshielded) 290B/910 Plugs

117356	8120-6177	♦	.41	8	6'	Gray	18/3	SVT	\$3.59	\$3.49	\$3.19	\$2.79
38077	17250R	JVP	.54	8	6'	Black	18/3	SVT	3.59	3.49	3.19	2.79
177384	17507	JVP	.28	8	10'	Black	18/3	SJT	4.95	4.59	4.19	3.69

3-Conductor Right Angle Detachable Power Cord (Shielded) 290B/910 Plugs

173252	17745	JVP	.16	8	6'7"	Black	18/3	SVT	\$5.49	\$4.95	\$4.49	\$3.95
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3-Conductor Hospital Grade Power Cords (green dot)

132011	17006G	JVP	.82	10	10'	Gray	16/3	SJT	\$8.95	\$8.49	\$7.95	\$6.95
115078	17006	JVP	.84	10	10'	Black	16/3	SJT	8.95	8.49	7.95	6.95
1537563	17510A	♦	.82	9	10'	Gray	14/3	SJT	9.95	8.95	7.95	6.95

* Clear plug

3-Conductor Computer Monitor Power Adapter Cord (150/386 Plugs)

177448	MPC1	JVP	.16	11	1'	Black	18/3	SVT	\$3.19	\$2.95	\$2.49	\$1.89
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3-Conductor Detachable Power Cord (Power Strip Saver) 290B/386 Plugs

199778	PSS-1	JVP	.16	12	1'	Black	18/3	SVT	\$2.49	\$2.25	\$1.95	\$1.75
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3-Conductor Power Cord ("Y" Type Power Strip Saver II) 290B/386 (2) Plugs

208347	GPR-2006	♦	.38	13	22'	Black	18/3	SVT	\$5.95	\$5.59	\$5.29	\$4.95
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3-Conductor Power Cord ("Y" Twin End) 150/386 (2) Plugs

340566	17268A	JVP	.32	14	4'	Black	18/3	SJT	\$8.95	\$7.95	\$6.95	\$5.95
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3-Conductor "Mickey Mouse" Style Power Supply Cord

1953559	MMFLAT	♦	.40	15	6'	Black	18/3	SPT-2	\$4.49	\$3.95	\$3.59	\$3.19
1951123	MMPC	♦	.40	15	6'	Black	18/3	SVT	4.95	4.49	3.95	3.59

* For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 159.

Power Cords, Power Entry & Line Filters & AC Receptacles

3 LEVELS OF SAVINGS
FRANCHISE SOURCED
GENERIC HOUSE BRANDS
FACTORY OVERRUN

JAMECO ValuePro

International Power Cords

- 3-conductor detachable power cords
- Excellent resistance to jacket abrasion
- Cord color: black; except 1950702: beige
- BSI: British Standard Institution
- Cord type: H05VVH
- Voltage rating: 300V

Part No.	Cross Ref. No.	Country	Agency Approvals	Cord Length	Conductors	Pricing			
						1	10	100	250
117911	PCVDE-6B	Europe	All in Fig. 1	6 ft.	3/0.75mm ²	\$6.49	\$5.79	\$5.52	\$4.65
1950702	BSI1363A	UK	ATSA	6 ft.	3/1.0mm ²	5.95	4.95	3.95	2.95
174633	21071H5182	UK/Ireland	BSI	8 ft.	3/1.0mm ²	8.15	6.81	6.18	5.32



117911/174633
(End 1)



117911 (End 2)



174633 (End 2)

*Web Code: XAQ

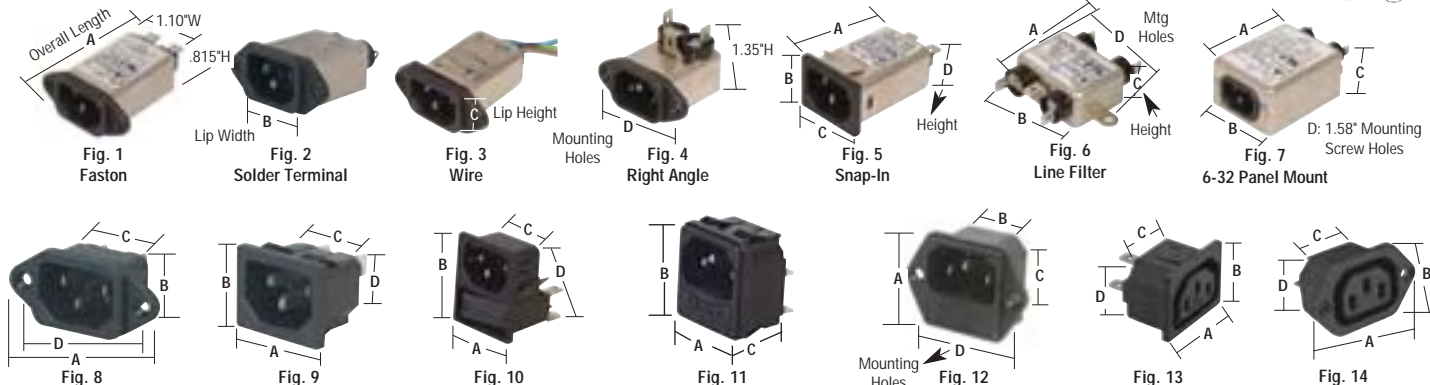
NEW
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European Agency Approvals

Germany	VDE	France	LCIE
Austria	DVE	Netherlands	KEMA
Belgium	CEBEC	Norway	NEMKO
Denmark	DEMKO	Sweden	SEMKO
Finland	FIMKO	Switzerland	SEV

Fig. 1

EMI Power Entry Filters (IEC Connector), Line Filters & AC Receptacles (IEC 320)



- Rated voltage: 115/250VAC
- Operating frequency: 50/60Hz
- Hipot rating (one minute) line to ground: 2250VDC; line to line: 1450VDC

EMI Power Entry Filter: Maximum leakage current each line to ground: @ 115VAC 60Hz: 0.20mA @ 250VAC 50Hz: 0.40mA

EMI Line Filter: Maximum leakage current each line to ground: @ 115VAC 60Hz: 0.25mA;

1.0mA (10000pF) @ 250VAC 50Hz: 0.45mA; 2.0mA (10000pF)

NEW
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QUANTITY
SAVE

*Web Code: ACR

Part No.	Manufacturer	Mfr. Part Number	Description	Fig.	Current (A)	Hipot (VDC)	Terminals	Terminal Size	Agency Approvals	Dimension (Inches)				Pricing		
										A	B	C	D	1	10	100
1951511	Delta†	01GEEG3E (1ED1)	Power entry filter, straight (screw flanged)	1	1	2250	Faston	0.25"	UL/CSA/VDE	2.20	1.19	0.87	1.58	\$4.95	\$4.49	\$3.95
210913	Delta†	01GEEW3E (1ED8)	Power entry filter, straight (screw flanged)	3	1	2250	4" Wires	Wire	UL/CSA/VDE	1.89	1.19	0.86	1.58	4.95	4.49	3.95
1951529	Delta	01DEEG3V	Power entry filter, rt. angle (screw flanged)	4	1	2250	Faston	0.25"	UL/CSA/VDE	1.64	1.19	0.87	1.58	4.95	4.49	3.95
1951545	Delta	01DKAG5	Line filter	6	1	2250	Faston	0.25"	UL/CSA/VDE	2.92	1.98	0.87	2.39	4.95	4.49	3.95
667438	JamecoVP	YB03A1 (3EF1F)	Power entry filter, straight (screw flanged)	1	3	2250	Faston	0.25"	UL/CSA/VDE	2.23	1.19	0.89	1.58	4.95	4.49	3.95
150615	JamecoVP	03AC1	Power entry filter, straight (screw flanged)	2	3	2250	Solder	0.16"	UL/CSA/VDE	2.05	1.19	0.89	1.58	4.95	4.49	3.95
1951537	Delta†	03GEEW3E-R (3ED8)	Power entry filter, wire (screw flanged)	3	3	2250	4" Wire	Wire	UL/CSA/VDE	1.90	1.19	0.87	1.58	5.95	5.29	4.49
1951553	Delta†	03GENG3E-R	Power entry filter (snap-in flanged)	5	3	2250	Faston	0.25"	UL/CSA/VDE	2.20	0.95	1.22	0.82	6.95	5.95	4.95
1951561	Delta	03DBAG5 (3EB1)	Line filter	6	3	2250	Faston	0.25"	UL/CSA/VDE	2.48	1.73	0.76	2.13	5.95	5.29	4.49
1951570	Delta†	05DRDG3S (5ER7)	Power entry filter, 6-32 threaded panel mount	7	5	2250	Faston	0.25"	UL/CSA/VDE	3.15	1.97	1.28	1.58	7.95	6.95	5.95
1951633	JamecoVP†	YB06AIR	Power entry filter, straight (screw flanged)	1	6	2250	Faston	0.25"	UL/CSA/VDE	2.20	1.19	0.89	1.58	7.95	6.95	5.95
1951588	Delta	06DEEG3V	Power entry filter, right angle (screw flanged)	4	6	2250	Faston	0.25"	UL/CSA/VDE	1.64	1.19	0.87	1.58	5.95	5.29	4.49
1951596	Delta†	10GEEG3C	Power entry filter, straight (screw flanged)	1	10	2250	Faston	0.25"	UL/CSA/VDE	2.20	1.19	0.87	1.58	7.95	6.95	5.95
1951609	Delta	10ME3(S)	Power entry filter, right angle (PC mount)	4	10	2250	Solder	0.16"	UL/CSA/VDE	1.64	1.19	0.87	1.58	6.95	6.25	5.59
1951617	Delta	15DEEG3HA(D)	Power entry filter, straight (screw flanged)	1	15	2250	Faston	0.25"	UL/CSA/VDE*	2.42	1.19	0.87	1.58	7.95	6.95	5.95
165016	OKAYA††	SUP-J15G-E2	Power entry filter, straight (screw flanged)	2	15	††	Solder	0.16"	UL/CSA/VDE*	2.20	1.21	0.89	1.58	5.95	5.29	4.49
16652	JamecoVP	JR101	AC power inlet, male (screw flanged)	8	15	250	Faston	0.25"	UL/CSA/VDE	1.97	0.76	1.06	1.58	1.09	.89	.69
147109	Various	42R02	AC power inlet, male (snap-in)	9	15	250	Faston	0.25"	UL/CSA/VDE	1.23	0.95	1.04	0.77	1.09	.89	.69
184903	PDI	42R36315210U	AC power inlet, male w/ switch (snap-in)	10	15	250	Faston	0.25"	UL/CSA/VDE	1.30	1.58	1.16	1.41	1.95	1.65	1.39
171444	JamecoVP#	0717	AC power inlet, male w/ fuse chamber (snap-in)	11	10	250	Faston	0.187"	UL/CSA/VDE	1.18	1.30	1.05	1.20	1.95	1.79	1.59
265527	JamecoVP#	WS-044	AC power inlet, male w/ fuse chamber (screw)	12	10	250	Faston	0.185"	UL/CSA/VDE	1.28	1.06	1.21	1.40	1.95	1.65	1.39
1954640	Various	K2415	AC Power inlet, female (snap-in)	13	15	250	Faston	0.187"	UL/CSA/VDE	1.38	1.10	1.26	0.98	1.79	1.55	1.25
1954658	Various	K2414	AC Power inlet, female (screw flanged)	14	15	250	Faston	0.187"	UL/CSA/VDE	1.97	1.14	1.26	0.95	1.79	1.55	1.25

† High Performance; Increased filtering; Added bleed resistor; More safety agencies # Includes spare fuse holder - fuse type 5mm x 20mm (250V) †† Hipot: 2000VRMS



Answering Your Questions

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RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 159.

JAMECO ReliaPro

Battery Holders

★ Web Code: UAB

QUANTITY
SAVE

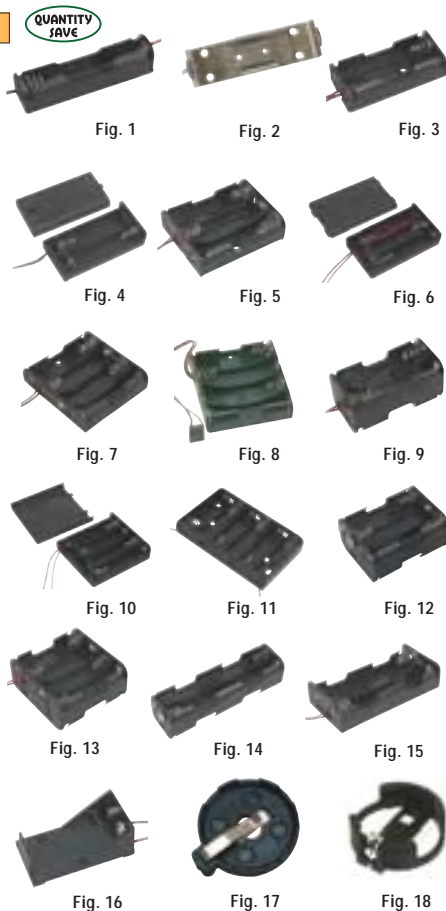
NEW
MARKED IN PINK

Eliminate battery mounting problems in portable DC power applications and products. These holders are made from special materials that maintain retention properties longer than conventional holders. They can come with leads, or attached to battery holders.

Part No.	Cross Ref. No.	*Mfr.	Fig.	No. of Cells	Connector	Sides	Features	1	10	100	500
216072	BH-311-2A	JRP	1	1-AA	Wires	Single	aluminum	\$.99	\$.88	\$.79	\$.65
643954	139	KEY	2	1-AA	Wires	Single		.89	.75	.65	.59
216081	BH-321-2A	JRP	3	2-AA	Wires	Single		.74	.66	.53	.39
216099	BH-321-4A	JRP	3	2-AA	Wires	Single	w/ mounting tabs	1.08	.81	.63	.529
216102	SBH-321-2A	JRP	4	2-AA	Wires	Single	w/ cover, no switch	.69	.61	.37	.35
216120	SBH-321-1AS	JRP	4	2-AA	Wires	Single	w/ cover & switch	.89	.79	.71	.60
216136	BH-331-A	JRP	5	3-AA	Wires	Single		.85	.65	.49	.37
216144	SBH-331-AS	JRP	6	3-AA	Wires	Single	w/ cover & switch	.95	.87	.80	.76
216152	BH-341-2A	JRP	7	4-AA	Wires	Single		1.15	1.00	.95	.89
105858	\$	JRP	8	4-AA	Wires	Single	Wires w/ connector	.95	.81	.57	.436
216179	BH-343-1A	JRP	9	4-AA	Wires	Dual		.75	.61	.518	.386
216187	SBH-341-1AS	JRP	10	4-AA	Wires	Single	w/ cover & switch	1.05	.97	.90	.67
216223	BH-364-A	JRP	11	6-AA	Wires	Single		.85	.71	.65	.55
216232	BH-363-B	JRP	12	6-AA	Snaps	Dual		1.08	.91	.87	.68
216240	BH-383-A	JRP	13	8-AA	Wires	Dual		1.15	1.04	.83	.63
216259	BH-382-B	JRP	14	8-AA	Snaps	Dual		1.35	1.20	.96	.72
216267	BH-383-B	JRP	13	8-AA	Snaps	Dual		1.34	1.06	1.03	.89
216283	BH-421-1A	JRP	3	2-AAA	Wires	Single		.57	.49	.43	.32
216303	BH-431-1A	JRP	5	3-AAA	Wires	Single		.92	.69	.64	.48
216339	SBH-441-AS	JRP	10	4-AAA	Wires	Single	w/ cover & switch	1.55	1.40	1.12	.84
216363	BH-242-1A	JRP	15	4-C	Wires	Single		1.39	1.25	1.09	.89
216371	BH-111-1A	JRP	1	1-D	Wires	Single		.69	.63	.58	.468
216390	BH-121-1A	JRP	3	2-D	Wires	Single		1.19	1.06	.95	.79
216401	BH-142-A	JRP	15	4-D	Wires	Single		1.30	1.07	.99	.84
216419	BH-143-1A	JRP	7	4-D	Wires	Single		1.29	1.09	.95	.85
216427	BH-9V-A	JRP	16	1-9V	Wires	Single		.71	.65	.63	.473
236996	103	KEY	17	1-CR2032	PC mount	Coin cell		1.29	1.09	.89	.75
355434	17002-00603	JRP	18	1-CR2032	PC mount	Coin cell		.79	.69	.59	.49
38543	2S2325	JRP	17	1-CR2354 or 2- CR2325	PC mount	Coin cell		.89	.75	.54	.46

\$ Battery holder used in many personal computers

Blue Part No. = Limited Quantity Available

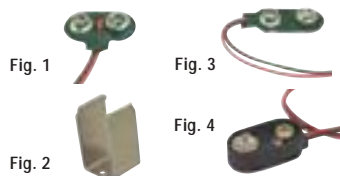


"9-Volt" Battery Snaps and Clips

NEW
MARKED IN PINK

★ Web Code: VAB

- Use with standard "9 volt" batteries
- Fully insulated; contacts are nickel-plated brass
- Leads are color-coded, stripped and pre-tinned
- Snap: male outer dia. = 0.225"
- Female inner dia. = 0.215"
- Hard molded plastic (216452)



Part No.	Fig.	Description	Dimensions (in.)			Pricing			
			L	W	H	1	10	100	1000
11280	1	3", 26 AWG, 6 prong battery snap	1.0	.75	.25	\$.38	\$.24	\$.202	\$.157
105794	2	Battery holder clip	1.02	.52	.24	.29	.25	.19	.15
1949488	3	4" 26 AWG, 4 prong battery snap	1.17	.52	.25	.19	.17	.14	.10
109154	3	6", 26 AWG, 6 prong battery snap	1.02	.52	.24	.29	.23	.15	.135
101470	3	10", 26 AWG, 6 prong battery snap	1.13	.52	.32	.30	.23	.17	.14
216452	4	6", 26 AWG, 6 prong battery snap	1.03	.52	.25	.35	.29	.25	.21

Silver Oxide, Zinc Chloride & Alkaline Batteries

Applications: personal computers, workstations, test equipment, feature telephones, copiers, fax machines, video scramblers/descramblers and remotes.

Silver Oxide

★ Web Code: XAB

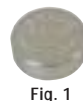
Part Number	Cross Ref. No.	Figure	Size	Volts	mAh	Dimensions	1	10	25
140783	357	1	Button	1.55	1600	0.454"Dia.	\$1.95	\$1.75	\$1.49

Zinc Chloride

Part No.	Cross Ref. No.	Figure	Size	Volts	mAh	Dimensions	1	10	25
151095	GF6F22	2	9V	9	300	1.7"L x 1.0"W x 0.67"Dia.	\$1.35	\$1.25	\$.99

Alkaline

Part Number	Cross Ref. No.	Figure	Size	Volts	mAh	Dimensions	1	10	25
150965	Rayovac 840	3	—	4.5	600	1.14"L x 0.73"W x 0.96"H	\$9.95	\$8.99	\$8.06
198791	MN1604	2	9V	9	500	1.7"L x 1.0"W x 0.67"H	3.19	2.85	2.55



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* JRP = Jameco ReliaPro | KEY = Keystone

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RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 159.

Batteries, Battery Packs & Chargers

3 LEVELS OF SAVINGS
FRANCHISE SOURCED
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HOUSE BRANDS
FACTORY OVERRUN

Eveready® Energizer® Alkaline Batteries



Energizer® and the Energizer Bunny® are registered trademarks of the Eveready Battery Company, Inc.

- Single-use Energizer® alkaline batteries for heavy drain and frequent use applications

NEW
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★ Web Code: NBF

Part No.	Size	1	10
198731	9-volt Energizer®	\$2.05	\$1.91

- Priced per battery. Energizer sold in multiples of 4. Camelion sold in multiples of 3.

Part No.	Size	Min	Ea.	(39)	40	(99)	100
198707	AAA Energizer®	4	.....	\$ .79	\$.65	\$.53	
249181	AAA Camelion	3	.....	.53	.47	.43	
198715	AAA Energizer®	4	.....	.49	.46	.45	

Long-Lasting Rechargeable NiMH Batteries

Why buy & throw away hundreds of batteries? Now you can reuse longer-lasting, money saving NiMH rechargeable batteries instead! They feature twice the power of NiCd batteries, so they're ideal for power-hungry devices like digital cameras and camcorders.

- Batteries sold individually

DANTONA



★ Web Code: QBP

Part No.	Description	1	8	24
231095	AAA, 600mAh	\$4.39	\$4.04	\$3.69
231087	AA, 1600mAh	3.99	3.72	3.54
231124	D, 9000mAh	16.59	15.81	15.06
231108	"9V", 150mAh	10.15	9.64	9.18

Lead Acid Batteries

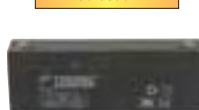
- Use with UPS Backup Systems, Security Fire Alarms, Wheel Chairs, Scooters
- Sealed
- UL approved
- Rechargeable
- Two-year warranty



TYSONIC



★ Web Code: LBR



QUANTITY
SAVE

Part Number	Product Number	Nominal Voltage	Amp-Hrs.	Cross Reference				Terminal Size	Size (L" x W" x H")	Wt. (lbs.)	Pricing	
				Panasonic	YUASA	Eagle Picher	Tempest				1	10
264014	TY-6-4.5	6	4.5	LCR6VP	NP4-6	CF16V4	TR-4-6	Quick connect 0.187"	2.8 x 1.9 x 4.0	1.9	\$11.95	\$8.95
317024	LA-TY-6-12	6	12.0	—	—	—	—	Quick connect 0.187"	5.9 x 1.9 x 3.7	4.6	20.29	18.73
318844	LA-TY-12-1.2	12	1.2	—	—	—	—	Quick connect 0.187"	3.8 x 1.7 x 2.1	1.3	15.19	14.47
264031	TY-12-2.3	12	2.3	LCR12V2.2P	NP2.3-12	CF12V1.5	TR2.3-12	Quick connect 0.187"	7.0 x 1.3 x 2.4	2.1	22.95	17.95
318924	LA-TY-12-3.2	12	3.2	—	—	—	—	Quick connect 0.187"	5.3 x 2.7 x 2.4	3.1	21.95	20.95
264057	TY-12-7	12	7.0	LCR12V7.2BP	NP712	CFM12V65	TR7.5-12	Quick connect 0.187"	5.9 x 2.6 x 3.7	5.6	19.95	17.95
264065	TY-12-12	12	12.0	PS12120	—	CFM12V12	TR12-12	Quick connect 0.187"	5.9 x 3.9 x 3.9	9.0	39.95	34.95
264073	TY-12-18	12	18.0	LCR12V18BP	NPG18-12	CF12V18	TR18-12	Quick connect 0.472"	7.1 x 3.0 x 6.6	13.3	45.95	42.95
318852	LA-TY-12-35	12	35.0	—	—	—	—	Nut & bolt	7.6 x 5.1 x 6.3	27.6	74.39	65.48

★ For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product

⊕ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Details on page 159.

Rechargeable Battery Packs

- AA single cell: 1.92"L x 0.56"Dia. (48.8mm x 14.2mm)
- SC single cell: 1.65"L x 0.86"Dia. (41.9mm x 21.8mm)
- D single cell: 2.36"L x 1.26"Dia. (59.9mm x 32.0mm)

JAMECO
EXCLUSIVE

★ Web Code: LAA

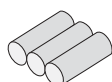


Fig. 1

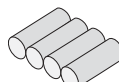


Fig. 2



Fig. 3

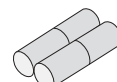


Fig. 4

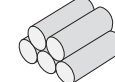


Fig. 5

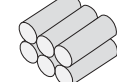


Fig. 6

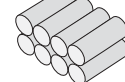


Fig. 7

Part No.	Fig.	Volt	Size	Type	mAh	Connection	1	10	25
299241	1	3.6	AA	NiMH	1800	Lead wire	\$13.29	\$12.63	\$12.05
299250	2	4.8	AA	NiMH	1800	Lead wire	16.69	15.92	15.18
298652	2	4.8	SC	NiCd	2200	Solder tab	15.95	14.34	12.91
298687	3	4.8	SC	NiCd	2200	Solder tab	13.85	12.45	11.38
298724	4	4.8	SC	NiCd	2200	Solder tab	15.29	13.74	11.75
299680	5	6.0	D	NiCd	5000	Lead wire	55.49	47.31	42.68
299305	6	7.2	AA	NiMH	1800	Lead wire	22.09	20.21	19.35
299461	7	9.6	SC	NiCd	2200	Lead wire	32.79	29.61	26.74

DANTONA

NiCd/NiMH Charger

★ Web Code: PBF

Universal battery charger for AAA, AA, C, D and "9V" cells (batteries not included).

- Recharge batteries singly or as a group
- Built-in IC timer control
- Automatic charging current selection for different sizes of batteries
- Fast charging in the specified period with an automatic switch for trickle charge

NEW
MARKED IN PINK

Part No.	Product No.	1	5	10
231132	CHG-6P	\$19.95	\$17.95	\$15.95



Automatic Battery Charger

- Safely charge and maintain lead acid batteries without supervision
- High frequency MOSFET switching design
- Safe for gel cell batteries
- Multi-stage charging circuit prevents batteries from overcharging
- Extends battery life
- Input voltage: 98 to 132VAC @ 50/60Hz
- Output banks: 3
- Analog amp meter
- Short-circuit, overload, and reverse polarity protection

Part No.	Product No.	Output Volt.	DC @ Current	Size (L"xW"xH")	Wt. (lbs.)	1	10	25
673416	SEC-1215A	13.5V @ 15A		8.5 x 8.4 x 3.3	4.8	\$146.05	\$138.72	\$131.78



MW

300 & 600-Watt Single Output Lead Acid Battery Charger

- Input: 115VAC/230VAC @ 47-64Hz (switch-selectable)
- Built-in passive PFC function
- Boost charge voltage: 14.4
- Recommended battery capacity (Amp hours): 80-200
- Short-circuit, overload, overvoltage, overtemperature and reverse polarity protection
- Weight: 3.3 lbs
- Two-year manufacturer warranty
- Float charge voltage: 13.6

NEW
MARKED IN PINK

Part No.	Product No.	Description	1	10	25
1952409	PB-300P-12	300W Cooling by free air convection	\$139.95	\$125.95	\$109.95
1952417	PB-360P-12	600W Fan on/off control depending on charging current	155.95	139.95	125.95



Lithium, NiCd & NiMH Batteries

Save 10% or more on most batteries!

Applications: personal computers, workstations, test equipment, feature telephones, copiers, fax machines, video scramblers/descramblers and remotes.



Fig. 1



Fig. 2



Fig. 3



Fig. 4

NEW
MARKED IN PINK



Fig. 5



Fig. 6



Fig. 7



Fig. 8



Fig. 9

Lithium

*Web Code: GCF

Part No.	Cross Ref. No.	*Manufacturer	Fig.	Size	Volts	mAh	Terminals/Connection	Dimensions	1	10	25
618011	CR1/3N	♦	1	—	3	160	Photocell	0.43"H x 0.46"Dia.	\$1.95	\$1.75	\$1.25
240258	CR123A	JRP	2	—	3	1300	Photo/computer	1.36"L x 0.65"Dia.	2.85	2.68	2.55
33371	TL5101P	TAD	3	1/2AA	3.6	850	Barrel w/ leads (clock/mem.)	0.93"L x 0.56"Dia.	5.79	5.27	4.45
33398	TL5104P	TAD	4	AA	3.6	1900	Barrel w/ leads (clock/mem.)	1.88"L x 0.56"Dia.	6.65	6.24	5.86
146114	TL2100S	♦	5	AA	3.6	1900	Barrel pressure (clock/mem.)	1.91"L x 0.56"Dia.	6.95	6.29	5.65
1950665	CR2016	♦	6	Coin cell	3	90	20mm PCB w/ tabs (2)	0.80"Dia. x 0.07"Thick	.79	.65	.49
11789	CR2325	♦	6	Coin cell	3	165	Clock/memory/watch	0.91"Dia. x 0.13"Thick	1.79	1.65	1.47
14162	CR2032	♦	6	Coin cell	3	180	Clock/memory/watch	0.79"Dia. x 0.13"Thick	1.25	1.12	.94
1585451	DL2032	DRC	6	Coin cell	3	180	Clock/memory/watch	0.79"Dia. x 0.13"Thick	1.25	.99	.75
689071	DL2450	♦	6	Coin cell	3	600	Clock/memory/watch	0.95"Dia. x 0.18"Thick	2.79	2.25	1.95
673635	CA1/2AA	♦	9	1/2 AA	3	950	Barrel w/ leads (2)	1.0"L x 0.58"Dia.	2.95	2.65	2.39
126754	TL5101S	TAD	7	Sub-AA	3.6	850	Macintosh*	0.95"L x 0.56"Dia.	4.75	4.45	4.17
240266	ER14250	JRP	8	Sub-AA	3.6	1000	Consumer tip	1.00"L x 0.55"Dia.	3.95	3.75	3.49
263898	ER14250	JRP	9	Sub-AA	3.6	1000	With axial leads	1.00"L x 0.55"Dia.	6.05	5.64	5.30
240303	ER14505	JRP	10	AA	3.6	2400	Consumer tip	2.00"L x 0.55"Dia.	5.45	5.04	4.90
240160	ER26500	JRP	11	C	3.6	8500	Consumer tip	2.00"L x 1.02"Dia.	11.95	10.95	9.95
240151	ER34615	JRP	12	D	3.6	16,500	Consumer tip	2.40"L x 1.34"Dia.	14.95	14.49	13.95

NiCd - Rechargeable

Part No.	Cross Ref. No.	*Manufacturer	Fig.	Size	Volts	mAh	Terminals/Connection	Dimensions	1	10	25
261657	AA-700-CT	JRP	13	AA	1.2	700	Consumer tip	1.90"L x 0.55"Dia.	\$1.69	\$1.59	\$1.45
244515	AA-1000-CT	JRP	13	AA	1.2	1000	Consumer tip	1.90"L x 0.55"Dia.	2.79	2.49	2.39
126720	351FT	♦	14	—	3.6	60	2-lead (pin), barrel	0.72"L x 0.61"Dia.	4.49	4.05	3.65
119116	3/V60R	DAN	14	—	3.6	60	3-lead (pin), barrel	0.72"L x 0.61"Dia.	3.35	3.29	3.22
101653	NA101-1	♦	15	—	3.6	60	2-lead (eyelet), barrel	0.72"L x 0.61"Dia.	5.49	4.95	3.95

NiMH - Rechargeable

Part No.	Cross Ref. No.	*Manufacturer	Fig.	Size	Volts	mAh	Terminals/Connection	Dimensions	1	10	25
244822	AA-1800-CT	JRP	16	AA	1.2	1800	Consumer tip	1.90"L x 0.55"Dia.	\$3.55	\$3.18	\$3.02
244620	9V-200	BT	17	9V	9	200	Snap	1.94"L x 0.65"Dia.	9.35	8.19	7.29

* BT = Bao Tong | DAN = Dantona | DRC = Duracell | JRP = Jameco ReliaPro | TAD = Tadiran | ♦ Manufacturer Varies

Panel Meters & Solar Panel

0.6" High 3½ & 4½-Digit LCD Digital Panel Meters



108388

179551

146835

123140

- Input ranges: 200mV, 20V, 200V, 500V
- Accuracy: ±0.5%
- Supply voltage: 8-12VDC (recommend 9V battery P/N 151095, pg 121)
- Automatic polarity indication

- Input impedance: >100MΩ
- Size: 2.7"W x 1.7"H

*Web Code: WBU

Part No.	Cross Ref. No.	Description	1	10	25
108388	PM-428	3½ digit (no bezel, snap mount)	\$13.95	\$12.49	\$10.95
179551	PM-128	3½ digit (bezel, screw mount)	14.95	13.49	11.95
146835	PM-188BL	3½ digit (with backlight display)	19.95	17.95	15.95
123140	PM-328	4½ digit (bezel, screw mount)	24.95	22.49	19.95

Electro Magnetic Counters

*Web Code: EAP

- 6 digit (.167"H)
- Flanged face, panel mount
- 2 - 8" 22 AWG leads (VM1) 600V
- Reset button & reset lock
- Size: 1.86"W x 1.03"H
- Count up to 999,999



1810064

1810056

Part No.	Cross Ref. No.	Input Voltage	Size (L" x Lip W" x Lip H")	1	10
1810064	CNTR6-12VDC	12VDC	2.88" x 2.84" x 1.21"	\$19.95	\$17.95
1810056	CNTR6-120VAC	120VAC	2.45" x 1.83" x 0.95"	19.95	17.95

velleman

Analog Panel Meters

- Includes mounting hardware
- Size: A: 2.4"W x 1.8"H x 1.3"D; B: 2.8"W x 2.4"H x 1.4"D
- 316507: Includes current shunt

*Web Code: YBQ

QUANTITY SAVE

Part No.	Product No.	Range	Size	1	5
316603	AVM6015	0 - 15VDC	A	\$9.99	\$9.49
316671	AVM7015	0 - 15VDC	B	9.99	7.49
316638	AVM6030	0 - 30VDC	A	12.75	12.09
316654	AVM7030	0 - 30VDC	B	12.75	12.09
316718	AVM60150	0 - 150VAC	A	9.99	9.49
316785	AVM60300	0 - 300VAC	A	9.99	8.99
315301	AIM60005	0 - 50µA	A	12.75	12.09
316523	AIM6050	0 - 50mA	A	12.75	12.09
316486	AIM60100	0 - 100mA	A	12.75	12.09
316558	AIM60500	0 - 500mA	A	12.75	12.09
316566	AIM60500	0 - 5A	A	12.75	12.09
316582	AIM705000	0 - 5A	B	12.75	12.09
316494	AIM6010A	0 - 10A	A	11.95	11.49
316507	AIM6030A	0 - 30A	A	13.89	13.35



316603

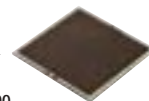


316523

Solar Panel

Photovoltaic Mini Module

- Clear coat plastic
- Voltage output: 4.7VDC to 5VDC
- Power output: 0.25W max.
- Size: 2.36"L x 2.36"W x 0.1"thick
- Material: Copper Indium Diselenide



Part No.	Description	1	10	25	100
1928142	Solar panel	\$7.95	\$6.95	\$6.25	\$4.95

*Web Code: AEK

*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

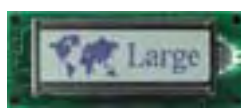
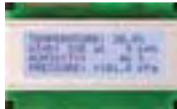
Serial & Parallel LCD Displays



• For Serial and parallel LCD Display detailed specification sheets, please visit www.Jameco.com. • One year warranty



Serial LCD Displays



150990		157323		281391		644025		210761		658953		
Part No.	Manufacturer	Product No.	Characters x Lines	Serial Input (bps)	Input Voltage	Letters-Backlight	Notes*	Module Size (W"xH"xD")	Display Size (W"xH")	Pricing		
										1	10	25
150990	Scott Edwards	ILM-216L	16 x 2	1200 - 9600	4.8V-5.5V @ 5mA	Black-Yellow/Green	1,2,5	3.2 x 2.0 x 0.5	2.8 x 1.0	\$48.95	\$44.09	\$40.25
133129	Scott Edwards	BPI-216N	16 x 2	2400 or 9600	4.8V-5.5V @ 3mA	Black-None	1,2,11	3.1 x 1.4 x 0.7	2.8 x 1.0	59.95	53.99	48.99
174166	Matrix Orbital	LK162-12 R	16 x 2	1200 - 19,200	5.0V @ 9mA	Black-Green	1,3,4,6	3.2 x 1.5 x 0.8	2.5 x 0.7	49.59	47.78	46.43
281332	Matrix Orbital	LK162-12-WB R	16 x 2	1200 - 19,200	5.0V @ 9mA	White-Blue	1,7,13,15	3.2 x 1.4 x 1.1	2.5 x 0.7	52.09	51.44	50.92
281341	Matrix Orbital	LK202-25-WB R	20 x 2	1200 - 19,200	5.0V @ 9mA	White-Blue	1,7,10	4.6 x 1.5 x 1.1	3.2 x 0.7	58.99	56.99	53.49
150957	Matrix Orbital	LCD2041	20 x 4	1200 - 19,200	5.0V @ 10mA	Black-Yellow/Green	1,3,4,6	3.9 x 2.4 x 0.7	3.0 x 1.0	59.95	59.45	59.00
157323	Matrix Orbital	LK204-25 R	20 x 4 w/ keypad	1200 - 19,200	5.0V @ 16mA	Black-Yellow/Green	1,3,4,6	3.7 x 2.4 x 1.1	3.0 x 1.0	68.99	66.99	65.59
694170	Matrix Orbital	LK204-25-IY R	20 x 4 w/ keypad	1200 - 19,200	5.0V @ 16mA	Yellow-Black	1,7,10,14	3.9 x 2.4 x 1.2	3.0 x 1.0	68.99	66.99	65.59
694188	Matrix Orbital	LK204-25-WB R	20 x 4 w/ keypad	1200 - 19,200	5.0V @ 16mA	White-Blue	1,7,10,15	3.9 x 2.4 x 1.2	3.0 x 1.0	68.99	66.99	65.59
281391	Matrix Orbital	GLK12232-25-SM	122 x 32 w/ graphics	9600 - 115,000	5.0V @ 250mA	Black-White	1,8	3.4 x 1.4 x 0.5	2.4 x 0.7	74.39	73.39	69.31
694356	Matrix Orbital	GLK12232-25-SM-WB R	122 x 32 w/ graphics	9600 - 115,000	5.0V @ 22mA	White-Blue	1,8,16	3.4 x 1.4 x 0.5	2.4 x 0.7	73.49	69.78	67.08
281404	Matrix Orbital	GLK12232-25-FGW	122 x 32 w/ graphics	9600 - 115,000	5.0V @ 20mA	Black-White	1,8	3.9 x 2.4 x 0.4	3.3 x 1.4	82.35	78.15	76.37
174182	Matrix Orbital	GLC24064	240 x 64 w/ graphics	1200 - 19,200	5.0V @ 31mA	Black-Yellow/Green	1,3,6	7.1 x 2.6 x 0.7	5.2 x 1.5	166.15	162.02	151.19
694372	Matrix Orbital	GLK24064-25-GW R	240 x 64 w/ graphics	9600 - 115,000	5.0V @ 35mA	Black-White	1,9,12	7.1 x 2.6 x 0.7	5.0 x 1.3	168.99	160.99	153.99

* 1. For a power supply, Jameco recommends P/N 164101, pg 114

2. Includes instruction codes for character generation, cursor control, printing, etc. (Examples for Stamps in PBASIC included)

3. Manual included 4. Connect 16 modules using the same two wire interface

5. EEPROM stores text font, settings, and text screen

6. Backlight control, bar graphs, large digits, multiple displays, software contrast control, auto line wrapping, and auto scroll feature

7. Connect 127 modules on the same 2-wire interface

8. 122 x 32 pixel graphic display, text display using built-in or user supplied fonts, adjustable contrast, backlighting, and keypad interface

9. 240 x 64 pixel graphic display, text display using built-in or user supplied fonts, adjustable contrast, backlighting, and keypad interface

10. Built-in font provision for up to 8-user defined characters, software controlled brightness, use up to a 25-key keypad with one 10-key buffer, 6 general purpose outputs, horizontal or vertical bar graphs

11. LCD Serial Backpack* accepts RS232, CMOS or TTL signal

12. Grey text/white background

13. Built-In font provision for up to 8-user define characters, software controlled contrast and brightness, use of up to 12-key with 10-key buffer, horizontal or vertical bar graphs

14. Inverse yellow

15. White text/blue background

16. Color of illumination: white/ice blue

Parallel LCD Displays

*Web Code: GCG

90-day Jameco Warranty

Part No.	Manufacturer	Product No.	Characters x Lines	Character Font	Input Data	Input Voltage	Letters-Backlight	Notes†	Module Size (W"xH"xD")	Display Size (W"xH")	Pricing		
											1	10	25
644025	Epson	EA-D16015AR	16 x 1	5 x 7	8-bit	5.0V @ 1.0mA	Black-None	—	3.2 x 1.4 x 0.3	2.5 x 0.5	\$6.95	\$6.25	\$5.59
171716	Ampire R	AC-162A	16 x 2	5 x 8	8-bit	5.5V @ 1.5mA	Black-Yellow/Green	2, 3	3.4 x 1.2 x 0.5	2.5 x 0.7	19.95	17.95	15.95
658881	Hantronix	HDM716216H-4-HOAF	16 x 2	5 x 7	8-bit	5.0V @ 2.2mA	Black-None	3	4.8 x 1.7 x 0.4	3.9 x 0.9	11.95	10.95	8.95
658890	Hantronix	HDM716216H-B-P00P	16 x 2	5 x 7	8-bit	5.0V @ 2.2mA	Black-None	3	3.3 x 1.7 x 0.4	2.4 x 0.6	11.95	9.95	7.95
618003	Hantronix	HDM716216H-5-3005	16 x 2	5 x 7	8-bit	5.0V @ 1.25mA	Black-None	—	3.2 x 1.4 x 0.3	2.5 x 0.5	9.95	8.95	6.95
658988	Hantronix	HDM716216L-7-8CO	16 x 2	5 x 7	8-bit	5.0V @ 2.0mA	Black-Yellow	3	4.8 x 1.7 x 0.6	3.9 x 0.9	12.95	10.95	8.95
1939571	Hitachi	LM071L	16 x 2	5 x 7	8-bit	5.0V @ 1.0mA	Black-None	—	3.1 x 1.4 x 0.4	2.5 x 0.5	9.95	7.95	6.95
365982	PicVue	PVC160206QYL04	16 x 2	5 x 8	8-bit	5.0V @ 1.6mA	Black-Yellow/Green	—	3.3 x 1.2 x 0.5	2.4 x 0.63	11.95	10.95	8.95
1954666	Tinsharp	TC1602Y-G	16 x 2	5 x 8	8-bit	5.0V @ 0.55mA	Black-Yellow/Green	—	3.1 x 1.4 x 0.4	2.5 x 0.4	12.95	12.95	11.49
1585979	Tinsharp	TC1602B-B	16 x 2	5 x 8	8-bit	5.0V @ 1.3mA	Black-Blue	—	3.1 x 1.4 x 0.4	2.5 x 0.4	13.95	12.49	11.29
1954674	Tinsharp	TC1602B-W	16 x 2	5 x 8	8-bit	5.0V @ 1.3mA	White-Black	—	3.1 x 1.4 x 0.4	2.5 x 0.4	14.95	14.95	13.49
210761	Optrex	DM16433	16 x 4	5 x 8	4-bit or 8-bit	6.5V @ 2.2mA	Black-None	1, 3	3.4 x 2.4 x 0.3	2.4 x 1.0	24.95	22.49	19.95
206615	Samsung	9936	20 x 1	5 x 7	4-bit or 8-bit	5.5V @ 3.0mA	Black Grey-None	5	7.2 x 1.6 x 0.4	6.5 x 1.3	15.95	14.75	12.50
658902	Hantronix	HDM20216H-3+001P	20 x 2	5 x 7	8-bit	5.0V @ 2.2mA	Black-None	3	4.6 x 1.5 x 0.4	3.3 x 0.7	15.95	14.75	12.50
171724	Ampire R	AC-202A	20 x 2	5 x 8	8-bit	5.0V @ 1.7mA	Black-Yellow/Green	2, 3	4.6 x 1.5 x 0.4	3.3 x 0.7	24.95	22.49	20.25
658911	Hantronix	HDM24216L-2-E30P	24 x 2	5 x 7	8-bit	5.0V @ 1.4mA	Black-Yellow/Green	3	4.6 x 1.4 x 0.6	2.4 x 0.6	19.95	16.50	13.25
320101	Solomon	LM1200SGR	24 x 2	5 x 7	8-bit	5.0V @ 3.0mA	Black-None	3	4.6 x 1.4 x 0.4	3.7 x 0.7	11.95	10.95	8.95
320039	Solomon	LM1030SGR	40 x 2	5 x 7	8-bit	5.0V @ 3.0mA	Black-None	3	7.2 x 1.2 x 0.3	6.0 x 0.6	14.95	12.95	10.95
658831	Hantronix	HDM402162H-4-S90P	40 x 2	5 x 7	8-bit	5.0V @ 2.2mA	Black-None	3	7.2 x 1.3 x 0.4	6.1 x 0.6	14.95	12.95	10.95
658929	Hantronix	HDM40216H-4-S9RP	40 x 2	5 x 7	8-bit	5.0V @ 2.2mA	Black-None	3	7.2 x 1.3 x 0.4	6.1 x 0.6	15.95	13.95	11.95
658937	Hantronix	HDM40216L-4-LCWF	40 x 2	5 x 7	8-bit	5.0V @ 3.0mA	Black-Yellow/Green	3	7.2 x 1.3 x 0.6	6.1 x 0.6	19.95	17.95	15.95
652332	Seiko Inst.	DMC4024	40 x 4	5 x 8	8-bit	5.0V @ 12mA	Black-None	—	7.5 x 2.1 x 0.4	5.5 x 0.9	22.95	19.95	16.95
658953	Hantronix	HDM64GS12L-4-N31S	128 x 64	128 x 64	8-bit	5.0V @ 2.0mA	Black-None	4	3.0 x 2.1 x 0.4	2.4 x 1.3	19.95	17.95	15.95
1946050	Goldentek	GM-C2004A	20 x 4	5 x 8	8-bit	5.0V @ 1.5mA	Blue-Grey	—	3.8 x 2.7 x 0.3	3.0 x 1.0	16.95	14.95	12.95
1946068	Goldentek	C-1602A-1YN	16 x 2	5 x 8	8-bit	5.0V @ 1.0mA	Black-Yellow/Green	—	2.8 x 1.4 x 0.4	2.6 x 0.6	12.95	10.95	7.95

†1. Control LSI HD44780 & column driver MSM5259 or equivalents; 2. Controller KS0066U or equivalent; 3. Recommend power supply P/N 164101, pg 114; 4. Dot Graphic LCD display; 5. Dot graphic LCD display

We're Listening to What You Need

Send feedback to Feedback@Jameco.com.

***For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above**

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 159.

150 to 500-Watt PC Power Supplies

★ Web Code: HCA



ATX Power Supplies

* See photo above ★ Pull = Extra Savings

Part Number	Mfr.	Product Number	Power (W)	Output (VDC/A)	Input (VAC @ Hz)	Input Connector (Mating Connector/Cord)	Certification	Size (L" x W" x H")	Wt. (lbs)	Pricing		
										1	10	25
422094	Seasonic	SS-500HT Active PFC	500	+3.3/30, +5/30, +12/17, +12/16, -12/0.8, +5VSB/2	90-264@47-63	3-prong AC receptacle	UL/CUL/TUV/CE	5.9 x 5.5 x 3.4	5.0	\$149.95	\$131.95	\$125.95
421981	Seasonic	SS-401HT Active PFC	400	+3.3/30, +5/30, +12/14, +12/15, -12/0.8, +5VSB/2	90-264@47-63	3-prong AC receptacle	UL/CUL/TUV/CE	5.9 x 5.5 x 3.4	4.0	94.99	83.88	79.32
673379	Seasonic	SS-401HT-F3BLB	400	+3.3/30, +5/30, +12/14, +12/25, -12/0.8, +5VSB/2	90-264@47-63 switching	3-prong AC receptacle	UL/CUL/TUV/CE	5.9 x 5.5 x 3.4	2.7	76.05	68.40	62.50
308814	Powmax	LP6100D*	400	+3.3/28, +5/30, +12/25, -5/0.3, -12/0.8, +5VSB/2	115/230 @ 60 switchable	3-prong AC receptacle w/ 6' power cord	UL/CUL/TUV/CE	5.9 x 5.6 x 3.4	3.5	54.95	49.95	44.95
1810144	LC Power	LC350U*	350	+3.3/16, +5/30, +12/15, -5/0.5, -12/0.8, +5VSB/2	100-240 @ 50-60 switchable	3-prong AC receptacle (P/N 38050, pg 119)	UL/TUV/CE	5.9 x 5.6 x 3.4	2.3	29.95	26.95	23.95
427928	Seasonic	SS-300SFD Active PFC	300	+3.3/20, +5/20, +12/8, +12/14.5, -12/0.8, +5VSB/2	90-264@47-63 switching	3-prong AC receptacle	UL/CUL/TUV/CE	5.1 x 4.9 x 2.5	2.7	56.95	53.95	48.95
673344	Seasonic	SS-300HS Active PFC	300	+3.3/20, +5/20, +12/8, +12/14, -12/0.8, +5VSB/2	90-264@47-63 switching	3-prong AC receptacle	UL/CUL/TUV/CE	5.9 x 5.5 x 3.4	2.7	45.95	40.95	38.95
1810136	FSP	FSP300-601U*	300	+3.3/20, +5/25, +12/16, -5/0.3, -12/0.8, 5VSB/2	100-240 @ 50-60 switching	3-prong AC receptacle (P/N 38050, pg 119)	UL/CUL/VDE/CE	8.3 x 4.0 x 1.6	3.3	49.95	44.95	39.95
1537310	FSP	FSP-300-60ATV*★	300	+3.3/28, +5/30, +12/15, +5VSB/2, -5/0.3, -12/0.8	115/230 @ 50-60 switchable	3-prong AC receptacle (P/N 38050, pg 119)	UL/CSA/TUV	6.0 x 5.6 x 3.5	4.0	26.95	23.95	19.95
319994	3Y Power Technology	AP-1250-1112*	250	+3.3/20, +5/25, +12/12, -5VSB/3, -5/5, -12/0.5	100-240 @ 50-60 switchable	3-prong AC receptacle (P/N 38050, pg 119)	UL/CUL/TUV/CE	7.5 x 4.0 x 1.6	2.9	33.25	31.65	23.75
421657	Powertronic	PK-6180DT3	200	+3.3/14, +5/22, +12/6, +5VSB/0.1, -5/0.5, -12/0.8	115/230 @ 47-63 switchable	3-prong AC receptacle (P/N 38050, pg 119)	UL/CUL/TUV	6.0 x 5.6 x 3.5	3.3	17.95	15.95	13.95
196189	Emacs	MPW-6150F*	150	+3.3/6, +5/10, +12/6, +5VSB/0.72, -5/0.2, -12/1	115/230 @ 50-60 switchable	3-prong AC receptacle (P/N 38050, pg 119)	UL/CUL/TUV/CE	7.5 x 4.0 x 1.6	2.5	34.95	29.95	24.95

AT Power Supplies

NEW
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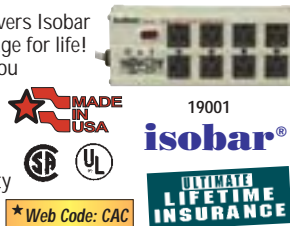
★ Blue Part No. = Limited Quantity Available

1537424	FSP	SPI-250G*	250	+5/26, +12/9, -5/0.5, -12/0.5	115/230 @ 50-60 switchable	3-prong AC receptacle (P/N 38050, pg 119)	UL/CSA/TUV/CE	6.0 x 5.6 x 3.4	3.1	29.95	26.95	23.95
692414	Autec	PCB-5300-2000	326	+5/30, +12/14, -12/0.5, -5/0.5	115/230 @ 50-60 switchable	3-prong AC receptacle (P/N 38050, pg 119)	UL/CSA/TUV	6.0 x 5.6 x 3.4	3.0	29.95	26.95	23.95



Surge Protectors

- Up to \$50,000 Ultimate Lifetime Insurance covers Isobar and connected equipment against surge damage for life!
- Diagnostic indicators on Ultra versions alert you to improper outlet wiring, loss of AC power, and damage to protection circuitry
- 4-outlet protectors: 6' cord;
8-outlet protectors: 12' cord
- UL 1449 and 1283 listed • Lifetime warranty



Isobar Premium Surge Protector

★ Web Code: CAC

Part No.	Product No.	Joules	Description	Wt. (lbs.)	1	10
18981	ISOBAR 4	2200	4 outlet, 2 isolated filters	2.4	\$49.95	\$44.95

Isobar Ultra Premium Surge Protector

19001	ISOBAR 8U	2350	8 outlet, 4 isolated filters	3.5	\$76.89	\$70.11
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6-Outlet Surge Protectors

- 20175:
- 3-prong, 4' cord • Metal power strip
 - Size: 12.3"L x 2.4"W x 1.3"H

- 216485:
- Heavy-duty power cord (14AWG x 3)
 - RESET/OFF switch with built-in 15A circuit breaker
 - Clamping voltage: 400V
 - Max. surge volt.: 6500V

124337:

- \$75,000 Ultimate Lifetime Insurance

Part No.	Cross Ref. No.	Mfr.	Weight	Spike Current (Max.)	1	10	100
20175	51W1-13206	ValuePro	1.5 lbs.	4500A, 50 joules	\$11.85	\$11.14	\$10.58
216485	51W1-10206	ValuePro	0.9 lbs.	4500A, 150 joules	6.95	6.25	5.59
124337	Super 7	Tripp-Lite	1.6 lbs.	42,000A, 2350 joules	19.95	17.95	16.95



★ Web Code: XAR

JAMECO ValuePro

Computer Switch Boxes

★ Web Code: CAK

KVM Switchbox

- 2-way keyboard/monitor switchbox (2 users to 1 PC)
- HDB15 female/6-pin DIN female connector

Part No.	Cross Ref. No.	Size (L" x W" x H")	Wt. (lbs.)	1	10
79177	40H1-07402	6.0 x 4.5 x 2.6	1.3	\$21.99	\$15.74

Serial-to-PC Switchbox

- 2-serial port switchbox • DB9 female (2-ports to 1PC)

Part No.	Cross Ref. No.	Size (L" x W" x H")	Wt. (lbs.)	1	10
79126	40D1-10602	6.0 x 4.8 x 2.5	1.2	\$11.95	\$7.95

XBOB-NC Video Text Module

XBOB integrates Decade's third-generation OSD technology into a convenient plug & play format. The command set is nearly identical to that of the popular BOB-3 module and XBOB includes all of the optional circuitry described in the BOB-3 Application Guide. XBOB lets your PC display up to 680 characters on standard video monitors and TV sets. XBOB supports pseudo-graphics and multiple languages. XBOB generates video on-board, or automatically genlocks to your video source and superimposes characters over the image. Printable characters and commands control XBOB through a fast RS-232 data link.

- Higher display density: 40x17 characters
- Improved automatic video mode control
- Stand-alone operation, for simple source ID or fixed reticle applications
- Horizontal (1 line) and vertical smooth scrolling

★ Blue P/N = Limited Quantity Available

Part No.	Description	1	10
283768	XBOB video text module	\$219.95	\$199.95
100845	9VDC power supply	4.59	4.37



* For Complete Specs & Additional Product Listings Search www.jameco.com/More and Enter Web Code Listed Above

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 159.



Order by Phone 24/7 at 1-800-831-4242 or Online at www.jameco.com

Legacy Intel® Desktop Processor

Part No.	Description	Speed (MHz)	Package	1	10
311204	Intel Celeron® processor ★	800	FCPGA-370	\$38.99	\$37.95

★ Pull = Extra Savings

Legacy Memory Module

Part No.	Cross Ref. No.	Capacity	Description	Config.	Pins	1	10
41751	421000A9B-70	1MB	70ns SIMM	1M x 9	30	\$3.95	\$2.95

QUANTITY SAVE

CPU Heat Sinks and Fans** ★ Web Code: MBG

Part No.	Description	Size (H" x W" x D")	1	10
206244	Heat sink w/ dual fan slot (SECC 2)	5.25 x 1.95 x 1.30	\$13.19	\$9.99
190545	Heat sink w/ fan for socket 370	2.45 x 2.42 x 2.10	13.55	10.16
645482	Heat sink w/ fan for socket 370	2.04 x 2.04 x 1.06	10.95	9.49
319185	Heat sink w/ fan for socket 7 & 370	1.38 x 2.36 x 2.59	7.95	6.95
129226	Heat sink for 486 CPU – adhesive back	1.70 x 1.63 x 0.36	2.95	2.21
684748	Heat sink w/ fan for socket 7 (AT/ATX)	1.00 x 2.60 x 2.30	5.95	4.95

** See www.jameco.com for photos

ATX Vertical Full Tower Case

- Slide-off side panel access
- LED indicators for power and HDD activity
- Front panel reset switch and power switch
- Internal 8Ω speaker • Weight: 25 lbs.
- 5 exposed 5.25" bays, 3 exposed 3.5" bays, 2 internal 3.5" bays

Part No.	Description	Size (WxDxH)	1	10
292066	ATX full tower	7.5" x 16.8" x 24.5"	\$59.95	\$56.95

★ Mounting Kits Available Online — Enter Web Code SDW



Legacy 3.5" Hard Disk Drives ★

★ Web Code: SAW

Part No.	Capacity	Description	Warranty	QUANTITY SAVE	1	10
151036	3.2GB★	EIDE/Ultra DMA33	1 year		\$35.95	\$26.95
151044	4.3GB★	EIDE/Ultra DMA33	1 year		49.95	44.95
146333	2.5GB★	EIDE/FAST ATA-2	1 year		29.95	26.95
124978	1.27GB★	IDE	1 year		30.25	27.22

* Capacity may exceed specification ★ Pull = Extra Savings

1.44MB 3.5" Internal Floppy Disk Drives

- IBM PC/XT and higher compatibles
- Compatible with DOS versions 3.3 or higher
- Automatically determines if disk is high or low density
- Size: 4.0"W x 5.9"D x 1.0"H • Weight: 1.4 lbs.

NEW MARKED IN PINK



Part No.	Product No.	Mfr.	Color	★ Web Code: LAQ	1	10
115490	FD235	TEAC	Beige		\$24.95	\$21.95
453683	MFB820	Sony	Black		24.95	21.95
249367	MPF920-Z	Sony	Beige		17.95	15.95
661108	D359M3D	Mitsumi	Black		17.95	15.95

3.5" Hard Drive Bracket Short

Part No.	Description	Color	NEW MARKED IN PINK	Price
1950745	3.5" hard drive bracket	Silver		\$5.95

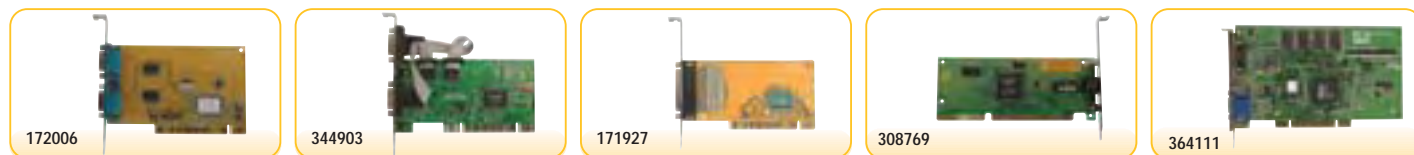


CD-ROM Audio Cable

Part No.	Connection from Sound Blaster to	Length	1	10	50
168613	Universal	18"	\$4.95	\$4.45	\$3.99



★ Video Text Module Available Online — Enter Web Code RAJ



Serial Interface Cards

★ Web Code: VBB

Part No.	Manufacturer	Cross Ref. No.	Bus Type	Ports	Connectors	Product Description	1	10
172006	—	99467	PCI	2	DB9	32-byte FIFO, 921kb/sec transfer rate, supports IRQ sharing, dual 16C650 DB9 male.	\$48.45	\$43.65
171548	—	99468	PCI	4	DB25	32-byte FIFO, standard RS-232 interface, 921kb/sec transfer rate, supports IRQ sharing 16C550.	129.95	97.46
171661	—	99469	PCI	8	DB25	32-byte FIFO, standard RS-232 interface, 921kb/sec transfer rate, supports IRQ sharing 16C650.	190.69	171.62
344903	SYBA	SD-PCI-1S	PCI	2	DB9	32-bit PCI bus, dual DB-9 male, Nm9835CV chipset.	27.99	26.49

Parallel Interface Card

Part No.	Manufacturer	Cross Ref. No.	Bus Type	Ports	Connectors	Product Description	1	10
171927	—	4008A	PCI	1	DB25	32-byte FIFO, 2MB/sec transfer rate, supports ECP and EPP, supports IRQ sharing, DB25 female.	\$41.95	\$37.95

Network Interface Card

★ Pull = Extra Savings

Part No.	Manufacturer	Cross Ref. No.	Bus Type	Ports	Connectors	Product Description	1	10
308769	3-COM	3C509B-TPO★	ISA	1	RJ-45	IEEE 802.3i (10Base-T) and IEEE 802.3 (10Mbps) compliant.	\$19.95	\$17.95

Video Graphics Card

Part No.	Manufacturer	Cross Ref. No.	Bus Type	Ports	Connectors	Product Description	1	10
364111	ATI	109-54100-00	PCI	—	HDDB15	8MB graphics accelerator, Rage LT PRO AGP chipset, 7-pin TV-out and DFB connectors, Windows® 98 and NT4.0 compatible.	\$29.95	\$24.95

Keyboards & Keypads



Part No.	Mfr.	Product No.	Interface	Description	★ Web Code: LBU	Size (L"xW"xH")	Wt. (lbs.)	1	10	25
311183	OKI	HMB-631PUS	PS/2	84-key soft touch mini keyboard w/ track point mouse		12.6 x 6.2 x 1.0	5.0	\$34.95	\$29.95	\$24.95
211756	—	WK-540	5-pin DIN	88/89-key soft touch keyboard w/ touchpad, Windows® compatible		11.4 x 8.5 x 1.2	2.3	39.95	29.95	24.95
639550	IONE	Scorpius-2KB	PS/2	103-key soft touch keyboard, Windows® 98SE/2000/ME/XP compatible (black)		15.9 x 6.5 x 1.3	2.1	43.95	38.95	35.95
681230	NMB	RT915CTW	PS/2	104-key tactile keyboard w/ 12 function keys w/built-in speakers		18.5 x 10.0 x 3.2	2.5	15.95	13.95	11.95
265375	ITRON	Scorpius-22RB	Serial	22-key serial tactile keypad w/ 2-key rollover and auto repeat function Includes manual and drivers		6.2 x 4.2 x 1.3	0.8	39.95	35.95	32.49
1537109	—	25551	USB	18-key USB tactile keypad		4.3 x 3.0 x 0.5	0.2	19.95	17.95	14.95

★ For Complete Specs & Additional Product Listings Search www.jameco.com/More and Enter Web Code Listed Above

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 159.

Mice and Mouse Pads

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★ Web Code: MCM



Part No.	Manufacturer	Product No.	Type	Interface	Description	Size (L" x W" x H")	1	10	25
685943	—	OW7751	Mech. Ball	USB	3-button with scroll; black	4.8 x 2.5 x 1.5	\$8.95	\$7.95	\$6.95
687746	Cherry	M-5000	Optical	USB-PS/2	3-button with scroll with PS/2 to USB adapter; black	4.6 x 2.6 x 1.5	19.95	17.95	14.95
305082	IONE	Libra-90	Trackball	PS/2	PS/2 trackball with USB adapter	5.6 x 4.7 x 1.9	29.95	26.95	24.95
1586103	A4TECH	MOP-57	Optical	USB	3-button with scroll; silver	3.5 x 1.8 x 1.3	13.95	12.49	10.95
121363	—	KP-01	Mouse pad	—	Mini mouse pad (blue)	7.0 x 5.5 x 1.0	2.49	1.89	1.41
1951001	—	MP-ATT	Mouse pad	—	Mouse pad (2" x 3.5"; 2.75" x 5" window slots)	9.5 x 7.5 x 1.2	4.95	4.49	3.95

USB 2.0 4-Port Hub

Add multiple high performance USB 2.0 peripheral devices to your PC. Fully compliant with USB specifications. Fully backwards compatible with USB 1.1 devices.

- Compatible with USB specification Rev. 2.0 (data rate 1.5/12/480Mbps)
- Plug-and-play function
- Connects up to 127 USB devices
- Bus-power and self-power mode used
- 1 upstream and 4 downstream USB ports
- Overcurrent detection and protection
- Automatic connection and speed detection
- Supports Windows® 98SE/ME/2000/Server 2003/XP/Vista; MAC® OS 8.6 or higher



Part No.	Product No.	1	10
1944687	HU2044	\$10.89	\$10.44
1944679	HU2K40	25.75	24.69

★ More Hubs Available Online — Enter Web Code NEM

USB 2.0 4-Port High Speed Hub

Add multiple high performance USB 2.0 peripheral devices to your PC. Fully backwards compatible with USB Rev. 1.1 products.

- Self-power mode used separate AC adaptor required P/N 252736
- 1 upstream and 4 downstream ports
- 4 LED indicators for downstream port status
- Overcurrent detection and protection
- Compliant w/ USB Rev. 2.0 (data rate 1.5/12/480Mbps)
- Connects up to 127 USB devices • Plug-and-play



Part No.	Product No.	1	10
1944695	HU2542	\$26.69	\$25.64

USB 2.0 Ethernet Adapter

This USB 2.0 Ethernet Adapter is a high performance, highly integrated USB 2.0 bus Ethernet controller with embedded 7k x 16 bit SRAM.

★ Web Code: SDR

- USB 2.0 and 1.1 compliant
- IEEE802.3 (10Base-T) & 802.3u (100Base-TX)
- Supports suspend mode & remote wakeup via link-up
- Supports full-duplex and half-duplex operations
- Plug and play installation • USB port powered

Requirements: IBM compatible Pentium® 233MHz or faster, 64MB or more, USB port available, Windows® XP/2000/Vista 32/64-bit, Mac® OS x 10.x

Part No.	Product No.	Size (LxWxH)	1	10
1944513	AE2201	2.8" x 2.0" x 1.0".....	\$22.75	\$21.84

USB 2.0 Docking Station

- Connects via USB-A port to your laptop

System Requirements:

PC with 75MHz min. Pentium® or equivalent; 16MB of RAM min., available USB-A port, Windows® 98 or later



Part No.	Product No.	Size (WxDxH)	1	10
527822	USB 2.0 dock	4.8"x2.5"x1.0".....	\$14.95	\$12.95

USB 2.0 Display Adapter

- Add-on monitor, LCD or projector through a single USB 2.0 port
- Supports up to 2 USB display adapters to work simultaneously
- Hot-plug, add or remove monitor w/o system reboot
- Windows® VISTA compatible • Plug-and-play
- Resume from hibernation and suspend modes



Part No.	Product No.	1	10
1944708	AN2420	\$99.95	\$89.95

USB 2.0 Multi-Plus Card Reader/Writer

- Transfer rate of high-speed USB2.0 interface can be up to 480Mb/sec
- No additional device driver needed under Windows® ME/2000 SP4/XP or MAC 9.x/10.x operating systems
- Allows data exchange in different slots
- 4 slots support compact flash, IBM Microdrive, SmartMedia, memory stick, secure digital, and multi media card devices • Pocket size



Part No.	Product No.	1	10
1944716	RU2340	\$17.79	\$17.09

IntelliMover Kit

Easily move email, music, photos, files, folders, settings and more from your old PC to a new PC.

- Transfers data and settings from one product version to another (e.g. Microsoft® Word 97 to Word XP)
- Transfers data and settings across operating systems
- Integrates intelligently on your new PC; there's no over writing of drivers or data files
- "Drag and Drop" individual files and folders between two PC's with the IntelliMover's file transfer utility and either data transfer cable



Part No.	Description	1	10
689910	IntelliMover kit with CD	\$19.95	\$17.95

Serial ATA to IDE Converter

This serial ATA to IDE converter allows standard parallel ATA hard disk drives, CD-ROM, CD-RW, DVD-ROM, DVD + RW, to be used with serial ATA PCI cards or motherboards with serial ATA ports and meet the specification of serial ATA 1.0 interface.



- Compliance with Serial ATA Gen. 1.0
- Master/slave device emulation support
- Supports PIO mode 0 ~ 4
- Supports Ultra DMA mode 0 ~ 7
- Supports UDMA transfer rates of up to 150Mbps
- Supports ATAPI command set
- Supports 48-bit LBA addressing

Requirements: PC with available Ultra ATA hard disk (IDE) and available Serial ATA host port

Part No.	Product No.	1	10
1944661	AD3300	\$28.69	\$27.54

HDMI Version 1.2 Switch

This HDMI switch allows up to four HDMI sources, such as DVD players, DTV set-up box, game station, or HDMI computers to share a single high definition display.



- 4 HDMI input connectors, 1 HDMI output connector
- Supported resolutions: 480/720/1080 i/p
- 19-pin type A HDMI I/O connector
- Data rate: up to 1.65Gbps
- HDMI 1.2 and HDCP compliant
- Single link range: 1080p/1920 x 1200
- Power supply: input: 100-240VAC; output: 5V @ 1A
- Signal equalizer and pre-emphasized outputs, ideal for systems with long cable runs of up to 20 meters

Part No.	Product No.	1	10
1944724	VS4040	\$79.95	\$71.95

Hands-Free Condenser Microphone

- Cord length: 8'
- One-year warranty
- Connector: 3.5mm male stereo plug
- Size: 1.9"L x 1.2"W x 0.3"H

★ Web Code: GCP



Part No.	Description	1	10	50
135248	Microphone	\$4.49	\$3.99	\$3.65

Answering Your Questions

Our Tech Support Department is ready to answer any questions you may have. Stumped on a project? Give them a call at 1-800-831-4242.

★ For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 159.

ATEN RS-232 to RS-485/422 Bidirectional Converters

- Cable length: 4000' max.
- Data rate: 1MB/second
- Controlled by RTS signal
- 4-wire full duplex or 2-wire half duplex
- DCE and DTE selectable
- Point-to-point and multidrop operations
- RS-232: DB25 female connector
- RS-485: terminal block and RJ11 connections
- Weight: 0.9 lbs.
- Input: 110VAC
- One-year warranty



Now a European Version!

197931: Port powered (power adapter not included)
Data rate: 100kbps

122956: Features RS-485SI; optical isolation: 2000V

Part No.	Description	1	10
117701	RS-232-485/422	\$59.69	\$53.51
197931	RS-232-485/422	69.95	52.45
122956	RS-232-485/422 OPT ISO	124.79	93.59

Bidirectional Non-Buffered Serial-to-Parallel Converter

- Bidirectional conversion of parallel and serial signals
- Serial interface: hardware handshake RTS/CTS, software handshake Xon/Xoff; DCE/DTE selectable; parity: odd, even, or no parity; data bits: 7, 8
- Connectors: one DB25 female and one Centronics 36-pin male
- Stop bits: 1 or 2
- Baud rate: 300 to 38,400bps
- Weight: 0.8 lbs.
- Size: 4.0"L x 2.5"W x 1.0"H
- One-year warranty



Includes: AC adapter (9VAC @ 200mA) and manual

Part No.	Description	1	10	25
116935	Bi-converter	\$53.95	\$50.95	\$47.95

ATEN Bidirectional Serial-to-Parallel Converter

115.2kbps, 512kB Buffer

- One DB25 female connector, one Centronics 36-pin male connector
- Fully compatible w/ Win® 95
- Baud rate: 300bps – 115,200bps
- FCC class A certified, CE certified
- LED indicator for parallel busy status
- DCE/DTE selectable
- Stop bits: 1 or 2
- Size: 3.8"L x 2.4"W x 1.0"H
- Weight: 0.8 lbs.
- One-year warranty



Includes: 9VAC @ 200mA adapter

Part No.	Description	1	10
182983	Serial/parallel converter	\$48.49	\$40.75

*Bidirectional Converters Online — Enter Web Code KEM

ATEN Short Haul Modem

- Up to 38,400 baud
- Will communicate over 6.3 miles of cable
- No external power required
- DCE/DTE selectable
- Xon-Xoff or hardware handshaking
- RS-232 interface (DB25 female)



Part No.	Description	1	10	25
116581	Short haul modem	\$29.95	\$25.49	\$19.49

19" Rack Mount Enclosures

- Ventilation holes on all sides
- Front and back panels are steel w/ aluminum, pre-punched face plates
- 0.12" thick black front panel
- Top, bottom and sides are durable 0.035" steel
- All enclosures have handles except P/N 132813



Includes: Mounting screws

Part No.	Dimensions (In.)			Wt. (lbs.)	Pricing	
	H1	H2	D		1	10
132813	1.73	1.25	9.75	6.2	\$45.59	\$34.19
132822	3.46	3.00	9.75	7.9	51.79	46.97
132840	3.46	2.88	11.75	9.1	53.95	48.59
132848	5.22	4.75	11.75	10.6	63.95	47.96
132864	8.56	8.00	13.50	15.4	109.95	99.95

*Rack Mounts Available Online — Enter Web Code GAT

JAMECO ValuePro 19" Rack Panel

- 10-gauge blacksteel
- 19" width panels



Part No.	Description	Height	Price
229489	Rack panel (2U)	3.50"	\$12.05

19" Rack Mount Drawer with Keyboard and Trackball

- Occupies a single unit (1U) rack space
- PS/2 connector for keyboard and trackball
- Weight: 18 lbs.
- Size: 19.0"W x 13.0"D x 1.75"H



Includes: Wrist pads, module, PS/2 to 5-pin DIN and PS/2 to 9-pin adapters, and software

Part No.	Description	1	10
220644	Rack mount KB drawer	\$289.99	\$217.49

19" Rack Mount Enclosure for 14" Monitor

- Clear glass front panel
- Hinged door for accessing monitor controls
- Color: gray
- Size: 19.0"W x 15.1"D x 14.0"H
- Weight: 30 lbs.



Monitor not included

Part No.	Description	Price
136021	Enclosure for 14" monitor	\$179.95

Cabinet Mounting Plate for 19" Cabinet

- Use as industrial chassis mounting plate for servers, PCs or patch panels
- Made of industrial grade steel and aluminum
- Size: 19.0"W x 15.8"D x 3.5"H



Part No.	Description	1	10
149500	Cabinet mount plate	\$39.99	\$35.99

BELDEN

19" Rackmount Patch Panels

PS5E HD-110 Patch Panels

*Web Code: GBK

The universal PS5E HD patch panel series includes a variety of product styles, sizes and wiring configurations. PS5E HD patch panels are robust and installer-friendly products by design, combining punch down connectors with standard modular jacks. The PS5E HD patch panels offer category 5E performance.

- Color: black
- Blue Part No. = Limited Quantity Available

Part No.	Product No.	Description	1	5
701289	AX100452	1U, 24 port	\$118.15	\$107.69
701294	AX100454	2U, 48 port	213.99	203.31

Flex Patch Panels

Flex patch panels provide a flexible and versatile termination solution for telecommunications room rack-mount installations. The panels can be custom configured in the field to suit practically any particular configuration.



Part No.	Product No.	Description	1	10
1939811	AX101456	1U, 24 port	\$32.95	\$31.26
1939837	AX101458	2U, 48 port	53.65	50.89

QuickNetwork Install Can

- Type: Install can for QuickNetwork panels
- Feature: power supply and cover installed
- Size: 24"



Part No.	Product No.	1	10
636607	QN24	\$78.49	\$74.79

FutureSmart Wall Outlet

- Four port hanging
- 2 RJ-45 and 2 RG-6
- Color: white



Part No.	Product No.	1	10
636931	REC-104W	\$10.85	\$10.31

FutureSmart Cat5e Bezel

- RJ-45
- Sold as single units
- Color: almond



Part No.	Product No.	1	10
636130	INS-C5RA	\$3.85	\$3.62

FutureSmart 1 Port Wall Plate

- Color: Almond
- * Order in multiples of 10



Part No.	Product No.	1	10
636965	REC-201A	*	\$.89

External 3-Port USB Thumbhub

- USB Revision 1.1 compliant
- LED indicators uplink/down port communication and OCP status
- Supports full speed (12Mbps) and low speed (1.5Mbps) transfer rate
- Self-powered mode
- Compatible w/ Windows® 98/98SE/2000/ME/MAC OS8.5
- Size: 3.1"L x 0.8"W x 1.2"H



*Web Code: NEM

Part No.	Description	1	10
208451	3-port thumbhub	\$14.95	\$14.49

*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 159.

SONY® Color CCD Camera

Sony Chipset

- 1/4" Sony super HAD CCD sensor
- NTSC system w/510(H) x 492(V)
- Furnished mini lens: 3.6mm
- Minimum illumination: 0.5 lux @ F2.0
- Supports these functions: auto electronic shutter (AES), auto iris control (AIC), auto gain control (AGC), auto white balance (AWB), back light compensation (BLC) and flicker less (FL)
- Video drive iris control: high/low switchable auto gain control; on/off backlight compensation
- Video output: 1Vp-p; 75Ω

Requires: 12VDC @ 120mA power supply (recommend P/N 163993, pg 115)

Includes: Power/signal cable & mounting hardware

Part No.	Description	1	10
213436	Enclosed color camera	\$188.95	\$174.95

Black & White Camera with Lens

EIA Format

- 1/3" CCD image sensor
- 510(H) x 492(V)
- Horizontal res.: >350 lines
- Sensitivity: 0.7 lux/F2.0
- Power supply: 12VDC (recommend P/N 162996, pg 114)
- Video output: 1Vp-p, composite video 75Ω
- Power consumption: 110mA • FOV: 92°
- Electronic shutter: 1/125,000 sec. (linear)
- S/N ratio: 46dB • Size: 1.3"L x 1.3"W x 1.2"H

Part No.	Description	1	10
171029	Camera board	\$44.95	\$39.95

Color Camera with 8mm Lens

- 1/3" CCD image sensor
- Horizontal res: 420 lines
- Min. illumination: 0.5 lux
- Electronic shutter: 1/120,000 sec.
- 510(H) x 492(V) EIA signal format
- Auto iris lens: DC drive/AES/video drive
- Video output: 1Vp-p, 75Ω • Vertical freq.: 60Hz
- Audio output: 2Vp-p max., 50Ω
- Backlight, auto-gain, and mirror reverse picture switch selectable • S/N ratio: 52dB
- Auto-tracing white balance • 2X digital zoom
- Power requirements: 12VDC @ 150mA

Part No.	Description	1	10
395461	Color camera	\$119.95	\$99.95

Mini Wireless Color Camera

This super-small (1" x 3/4" by 7/8") 1/4 ounce, 3 Lux wireless camera and receiver combo delivers sharp, full-motion video images at 380 lines of resolution. With its 150' (unobstructed) range and 9-volt battery power.

Part No.	Description	1	10
249025	Wireless color camera	\$89.95	\$69.95

*Cameras — Enter Web Code MBB

Quick and Easy Search

Our enhanced website offers over a hundred thousand datasheets and photos to assist you in finding the products you need.

Color Interline Camera

Water resistant with mounting bracket

- 1/3" CMOS image sensor
- EIA format: 512(H) x 492(V)
- 330 horizontal line resolution
- 5 lux sensitivity • FOV: 530
- Video output: 1V p-p; 75Ω
- 6mm lens/F2.0 • S/N ratio: 40dB
- Electronic shutter: 1/60 – 1/1,200 sec.
- Connectors: 1 standard RCA female jack for video, and in-line 2.1mm power-plug connector for power supply

Includes: Adjustable mounting bracket, instruction sheet and 9V @ 100mA power supply

Part No.	Description	1	10
185017	Color camera	\$102.95	\$97.76

Black & White Camera with 8mm Lens

- 1/3" CCD image sensor
- Horizontal res.: 420TV lines
- Min. illumination: 0.1 lux.
- Scanning system: 2:1 interlace
- Electronic shutter: 1/100,000 sec.
- 510(H) x 492(V) EIA signal format
- Horizontal freq.: 15.73kHz • Vertical freq.: 60kHz
- Clock freq.: 19.0699MHz • S/N ratio: 48dB
- Auto iris lens: DC drive/AES/video drive
- Backlight compensation and auto-gain control selectable • Video output: 1Vp-p, 75Ω
- Audio output: 2Vp-p max., 50Ω
- Power requirements: 12VDC @ 100mA; 24VAC
- Size: 4.5"L x 2.0"W x 2.0"H • Weight: 0.8 lbs.

Part No.	Description	1	10
245041	Black & white CCD camera	\$74.29	\$71.99

DigiVue™ Digital Surveillance System

- Input signal: 4 video, 1 audio channel
- Display/record: 60 frames/sec.
- Enhanced MPEG4 format
- Adjustments: light, contrast, hue, saturation
- Record mode: event/continuous/schedule
- Resolution: 160 x 120 to 640 x 480
- Storage: HDD/VDROM/CD-RW/DAT/MO/ZIP/RAID
- Supports real time WAN/LAN and internet monitoring via client software, internet explorer

Includes: CD-ROM and drivers

Minimum system requirements: Pentium® 4, 1.8GHz, 256MB RAM, 32MB AGP video card

Part No.	Product No	1	10
639568	EDV-XV425	\$94.95	\$85.46

Outdoor Metal Camera Enclosure

- Plate glass: 3mm thick
- Clear window area: 2.5"W x 2.3"H
- Size: 16.0"L x 4.9"W x 4.9"H
- Max. camera size: 4.0"L x 2.4"W x 2.4"H

Part No.	Description	Weight	1	10
170931	Camera housing	2.8 lbs	\$29.75	\$28.24

5.6" Color TFT Monitor

NTSC Format

- TFT color LCD display
- 224 x 640 pixel display resolution
- Built-in 1 watt speaker
- Video input: 1.0Vp-p; 75Ω
- Audio input: 2Vp-p; 2kΩ
- Brightness, color and volume adjustments
- Size: 6.1"W x 1.2"D x 4.8"H • Weight: 2.6 lbs.

Includes: RCA cable, mounting stand with hardware and 12VDC @ 500mA power supply

Part No.	Description	1	10
201702	5.6" TFT color monitor	\$279.95	\$259.95

2.4GHz Wireless Audio/Video Transmitter

- Frequency range: 2413MHz to 2470MHz
- Impedance: 50Ω
- Output power: 1 Watt
- Video input: 1Vp-p
- Audio input: 2Vp-p

Includes: 12VDC @ 1A wall adapter, RCA patch cable, antenna and mounting hardware

Part No.	Description	1	10
289852	Wireless audio/video tran.	\$219.95	\$189.95
179864	2.4GHz SMA RF antenna	13.65	10.24
179872	Wireless extension cable	10.99	8.24

4-Channel 2.4GHz Wireless Audio/Video Receiver & 10mW Transmitter

- Transmission range: 492' (150M outdoors); 164' (50M indoors)
- 4-channel switch selectable
- Output power (transmitter): 10mW
- Output impedance: 50Ω typical
- Video input: 1Vp-p composite
- Audio input: 2Vp-p max.

Receiver:

- Non-volatile memory protects system set-up from power loss
- Video loss detection/freeze channel
- Mute and alarm trigger port
- Weight: 1.8 lbs.

Includes: RCA cable, 12VDC @ 500mA adapter, RCA to F connector adapter (receiver unit only)

Blue Part No. = Limited Quantity Available

Part No.	Description	1	10
192858	4-channel transmitter	\$78.75	\$74.77
192866	4-channel receiver	124.95	109.95

*Video Accessories — Enter Web Code YBE

DigiVue™ Complete Digital Video Recording Security System

EDV-XV425 Video Capture Card:

- 60fps per card
- Monitors multiple IP addresses
- Supports multiple card installations
- 4-ch video and 1-ch audio
- Supports real time WAN/LAN and internet monitoring

Includes: PCI video capture card, 2 outdoor color day/night cameras, 2 micro dome color cameras, video recording software w/ drivers, four 50' video/power cables and 4 power supplies for the camera

Part No.	Product No	1	10
639584	EDV-XV425 kit	\$489.95	\$449.99

Cable Assemblies

75Ω RG59/U BNC – BNC

Part No.	Length	1	10	50	100
262730	25 ft.	\$9.95	\$8.95	\$8.05	\$7.25
262748	50 ft.	20.49	18.42	14.74	11.05

75Ω BNC – BNC and Jack-to-Jack

Part No.	Length	1	10
1581388	50 ft.	\$24.49	\$23.23
1581409	100 ft.	28.59	27.14

For additional BNC Cables see page 69.

*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

Sizes shown are for relative comparisons.

See www.Jameco.com for accuracy and complete specifications

3 LEVELS OF SAVINGS
FRANCHISE SOURCED
GENERIC HOUSE BRANDS
FACTORY OVERRUN

RoHS
RoHS Compliant Product
RoHS Also Available
DETAILS ON PAGE 159

Sizes shown are for relative comparisons.

MASTECH

Mastech M300
• 2000 count
• 6 functions
• Extremely low cost



Pocket Sized

P/N 220812
\$8.95

velleman

Velleman DVM850BL
• 2000 count
• 6 functions



P/N 355207
\$18.59

JAMECO

Jameco JE110
• 2000 count
• 6 functions
• 100µV resolution



Pocket Sized

P/N 119212
\$19.95

JAMECO BenchPro

BP-1562
• 2000 count
• 6 functions



P/N 318781
\$10.55

JAMECO EXCLUSIVE

MASTECH

Mastech MAS830L (220759)
• 2000 count
• 7 functions
• Continuity test



220741

P/N 220759
\$15.85

P/N 220741
\$19.95

Mastech MAS838 (220741)
• 2000 count
• 8 functions
• Temperature

MASTECH

Mastech MY64
• 2000 count
• 11 functions
• Temp./frequency



P/N 220775
\$42.69

velleman

Velleman DVM890F
• 2000 count
• 11 functions



P/N 645571
\$46.85

MASTECH

Mastech MY68
• 3260 count
• 12 functions
• Autorange
• Analog bargraph



P/N 220767
\$49.49

EXTECH

Extech EX330* (645626)
• 4000 count
• 9 functions
• Non-contact AC voltage detector

Best Seller



645626

P/N 645626
\$54.95

P/N 1581177
\$79.95

Extech EX430 (1581177)
• 4000 count
• True RMS
• Auto ranging

EXTECH

Extech DM110
• 4000 count
• 10 functions
• Autorange



P/N 692502
\$29.99

Pocket Sized

* Web Code: HBK

Basic Measurement Functions

Test Functions

Special Functions

* Web Code: HBK

QUANTITY (AVE)

Jameco Part No.	Product No.	Display Count	No. of Functions	Resolution (max DC)	DC Voltage Ranges (V)	AC Voltage Ranges (V)	DC Current Ranges (A)	AC Current Ranges (A)	Resistance Ranges (Ω)	Capacitance Ranges (F)	Inductance Ranges (H)		Frequency Ranges (Hz)	Temperature Range		Diode Test	Logic Test	Continuity Test	Transistor hFE Test		Analog Bargraph	RS-232 PC Interface	True RMS	Size (H"xW"xD")		Jameco Part No.	Pricing	
														°C	°F									1	5			
1928476	RC100	—	4		200m - 1000	200 - 750	200μ - 10	—	200 - 2M	—	—		—	—	—	✓			✓				—	1928476	\$12.95	\$12.95		
220812	Mastech M300	2000	6	1mV	2 - 500	200 - 500	200mA	—	2k - 2M	—	—		—	—	—	✓		✓					4.7 x 2.7 x 0.8	220812	8.95	7.95		
355207	Velleman DVM850BL	2000	6	100μV	200m - 100	200 - 600	200μ - 10	—	200 - 2M	—	↔		—	—	—	✓		✓	✓				5.4 x 2.7 x 1.2	355207	18.59	17.64		
119212	Jameco JE110	2000	6	100μV	200m - 1000	200 - 750	200μ - 10	—	200 - 2M	—	—		—	—	—	✓			✓				4.8 x 2.6 x 1.0	119212	19.95	18.95		
318781	BenchPro BP-1562	2000	6	100μV	200m - 600	200 - 750	200μ - 10	—	200 - 2M	—	—		—	—	—	✓			✓				5.4 x 2.7 x 1.2	318781	10.55	9.95		
220759	Mastech MAS830L	2000	7	100μV	200m - 600	200 - 600	200μ - 10	—	200 - 2M	—	—		—	—	—	✓		✓	✓				5.7 x 3.0 x 1.4	220759	15.85	14.99		
220741	Mastech MAS838	2000	8	100μV	200m - 600	200 - 600	2m - 10	—	200 - 2M	—	—		—	-20 to 1000	—	✓		✓	✓				5.7 x 3.0 x 1.4	220741	19.95	15.99		
220775	Mastech MY64	2000	11	100μV	200m - 1000	200m - 700	2m - 10	2m - 10	200 - 200M	2n - 20μ	—		2k - 20k	-20 to 1000	—	✓		✓	✓				7.4 x 3.6 x 1.3	220775	42.69	32.02		
645571	Velleman DVM890F	2000	11	100μV	200m - 1000	2 - 700	2m - 20	20m - 20	200 - 200M	2000p - 20μ	—		—	—	-58 to 1832	✓		✓	✓				6.7 x 3.5 x 1.5	645571	46.85	46.51		
220767	Mastech MY68	3260	12	100μV	326m - 1000	3.26 - 700	326μ - 10	326μ - 10	326 - 32.6M	326n - 32.6μ	—		32.6k - 150k	—	—	✓		✓	✓	✓	✓		7.4 x 3.6 x 1.3	220767	49.49	37.12		
645626	Extech EX330*	4000	9	100μV	.1m - 1000	.1m - 750	.1μ - 10	.1μ - 10	.1 - 40M	.001n - 200μ	—		.001 - 10M	-50 to 1000	-58 to 1832	✓		✓	✓	✓	✓		5.7 x 2.9 x 1.6	645626	54.95	52.95		
1581177	Extech EX430	4000	9	100μV	.1m - 1000	.1m - 750	.1μ - 20	.1μ - 20	.1 - 40M	.1n - 100μ	↔		.001 - 10	-20 to 750	-4 to 1382	✓		✓	✓	✓	✓	✓	7.4 x 3.2 x 2.0	1581177	79.95	75.95		
692502	Extech DM110	4000	10	100μV	0 - 500	0 - 500	0 - .40	0 - .40	400 - 40M	0 - 200μ	—		9 - 10M	—	—	✓		✓	✓	✓			4.3 x 2.2 x 0.5	692502	29.99	27.99		
211650	Extech MN26T	4000	11	100μV	400m - 600	400m - 600	400μ - 10	400μ - 10	400 - 40M	4n - 200μ	—		10 - 10M	0 to 760	0 to 1400	✓		✓	✓	✓	✓		4.8 x 2.4 x 1.6	211650	39.95	37.95		
117373	BenchPro BP-1949	4000	11	100μV	400m - 400	4 - 400	400μ - 10	400μ - 10	400 - 4M	50n - 100μ	—		5 - 50k	-20 to 1000	—	✓		✓	✓	✓			7.7 x 3.6 x 1.6	117373	89.95	71.90		
137462	BenchPro BP-1737	4000	11	100μV	400m - 400	4 - 400	400μ - 10	400μ - 10	400 - 4M	50n - 100μ	—		5 - 50k	-20 to 1000	—	✓		✓	✓	✓	✓	✓	7.7 x 3.6 x 1.6	137462	135.99	101.99		
1581185	Extech MP510↑	5000	7	10μV	50m - 1000	50m - 1000	500μ - 10	500μ - 10	50 - 50M	50n - 9999μ	—		0.01 - 125k	—	—	✓		✓	✓	✓	✓		7.4 x 3.4 x 1.4	1581185	149.95	142.45		
1537328	Fluke 115↑	6000	9	100μV	600m - 600	600m - 600	6 - 20	6 - 20	600 - 40M	1000n - 9999μ	—		99.99 - 50k	—	—	✓		✓	✓	✓	✓	✓	10.9 x 6.3 x 2.2	1537328	163.05	154.91		
1537336	Fluke 117*↑	6000	9	100μV	600m - 600	600m - 600	6 - 20	6 - 20	600 - 40M	1000n - 9999μ	—		99.99 - 50k	—	—	✓		✓	✓	✓	✓	✓	10.9 x 6.3 x 2.2	1537336	193.69	185.91		
192655	Fluke 175	6000	12	100μV	600m - 1000	600m - 1000	60m - 10	60m - 10	600 - 50M	1000n - 9999μ	↔		99.99 - 99.99k	—	—	✓		✓	✓	✓	✓	✓	7.3 x 3.5 x 1.7	192655	250.19	242.70		
185535	Fluke 179↑	6000	13	100μV	600m - 1000	600m - 1000	60m - 10	60m - 10	600 - 50M	1000n - 9999μ	—		99.99 - 99.99k	-40 to 400	-40 to 752	✓		✓	✓	✓	✓	✓	7.3 x 3.5 x 1.7	185535	255.35	250.25		
222527	Wavetek/MM 37XR	10,000	14	100μV	1000m - 1000	1000m - 750	100m - 10	100m - 10	1000 - 40M	40n - 400μ	4m - 40		100 - 10M	—	—	✓	✓	✓	✓	✓	✓	✓	7.8 x 3.6 x 2.4	222527	135.59	128.41		
318764	BenchPro BP-1415	20,000	8	10μV	200m - 1000	2 - 700	2m - 20	2m - 20	200 - 200M	2000p - 20μ	—		20k	—	—	✓		✓	✓	✓	✓	✓	7.4 x 3.6 x 1.2	318764	73.49	55.12		
1581214	Protek 6800	80,000	10	1μV	8 - 1000	80m - 750	80m - 10	80m - 10	80 - 80M	1n - 100μ	—		1K - 8M	-50 to 1372	-58 to 2502	✓		✓	✓	✓	✓	✓	7.5 x 3.5 x 1.5	1581214	190.15	180.61		

* with non-contact voltage detector (100-600VAC range) † with backlight

EXTECH

Extech MN26T
• 4000 count
• 11 functions
• Autorange
• Temp./frequency



Pocket Sized

P/N 211650
\$39.95

JAMECO BenchPro

BP-1949 (117373)
• 4000 count
• 12 functions/RS-232
• Autorange
• Temp./frequency

JAMECO EXCLUSIVE



137462

P/N 117373
\$89.95

P/N 137462
\$135.99

True RMS

EXTECH

Extech MP510
• 5000 count
• Backlit LCD/
auto power off



P/N 1581185
\$149.95

FLUKE

Fluke 115 (1537328)
• 6000 count
• Backlit
• True RMS



1537336

P/N 1537328
\$163.05

P/N 1537336
\$193.69

True RMS

Fluke 117 (1537336)
• 6000 count
• Backlit
• True RMS
• Non-contact voltage

FLUKE

Fluke 175 (192655)
• 6000 count
• 12 functions
• Autorange
• Frequency



185535

P/N 192655
\$250.19

P/N 185535
\$255.35

True RMS

Fluke 179 (185535)
• 6000 count
• 13 functions
• Autorange
• Temperature
• Frequency

WAVETEK Meterman

Wavetek/MM 37XR (222527)
• 10,000 count
• 14 functions
• Inductance
• Autorange
• dB display



P/N 222527
\$135.59

True RMS

JAMECO BenchPro

BP-1415
• 20,000 count
• 8 functions
• Capacitance

JAMECO EXCLUSIVE



P/N 318764
\$73.49

Protek

Protek 6800
• 80,000 count
• 10 functions
• RPM, DBM function
• Square wave generator



P/N 1581214
\$190.15

True RMS

* For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

* For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

Digital, Clamp and Benchtop Multimeters

3 LEVELS OF SAVINGS
FRANCHISE SOURCED GENERIC BRANDS HOUSE BRANDS FACTORY OVERRUN

EXTECH
INSTRUMENTS

400A AC/DC Clamp Meter/Multimeter

- Auto ranging with auto power-off
- 0.9" (23mm) jaw size
- Continuity beeper and diode test
- Overload protection
- Over range and low battery indicators
- One touch "Auto Zero"
- 4000 count LCD display
- Data hold freezes current reading on display
- Measures AC/DC current, DCV, ACV, resistance, capacitance, frequency, temperature, and duty cycle
- Basic current accuracy: AC: $\pm 3.0\%$; DC: $\pm 2.5\%$
- Basic voltage accuracy: AC: $\pm 2.0\%$; DC: $\pm 1.5\%$
- AC/DC current ranges: 40A–400A; 0.01A max. res.
- Capacitance ranges: 40nF–1000 μ F; 0.01nF max. res.
- DC/AC volt. ranges: 400mV–600V; 0.1mV max. res.
- Resistance ranges: 400 Ω –40M Ω ; 0.1 Ω resolution
- Duty cycle: 0.5%–0.99%; 0.1% max. res.
- Frequency ranges: 5Hz–150kHz; 0.001Hz max. res.
- Temperature ranges: -58° to +1830°F (-50° to +1000°C); 1° max. resolution



Includes: Test leads, case, and 2 AAA batteries

Part No.	Product No.	1	5
374070	MA220	\$89.09	\$80.18

EXTECH
INSTRUMENTS

1000A Clamp Meter with IR Thermometer

- Non-contact IR temperature measurements with laser pointer
- Peak hold captures inrush current and voltage measurement
- 1.7" (43mm) jaw opening for conductors up to 750MCM
- 4000 count backlit dual display
- Auto ranging with manual range button
- Continuity and diode test
- True RMS
- IR temperature ranges: -58°F – 518°F (-50°C – 270°C)
- AC/DC current ranges: 0.1A – 1000A
- AC/DC voltage ranges: 0.1mV – 600V
- Resistance ranges: 0.1 Ω – 40M Ω
- Capacitance ranges: 0.001nF – 40,000 μ F
- Frequency ranges: 0.001kHz – 4kHz
- Type K temp. ranges: -4°F – 1400°F (-20°C – 760°C)
- Size: 10.6"L x 4.3"W x 2.0" thick



Includes: Test leads, 9V battery, type K probe, and belt holster

Part No.	Product No.	1	5
1585881	EX830	\$170.99	\$162.40

Mini DC/AC 2000-Count Clamp Meter/Multimeter

- Bright 1/2" LCD • Data hold
- 0.5" digit height
- Size: 7.1"L x 1.9"W x 1.4"H
- Weight: 0.9 lbs.

Requires: 9V battery not included (P/N 151095, pg 121)

Includes: Test leads, manual and case

☉ Blue Part No. = Limited Quantity Available

Part No.	Description	1	10
115756	Mini DC/AC clamp meter ☉	\$119.95	\$107.95

ACA*	20A, 200A	$\pm 1.2\% + 5d$
DCA	200A	$\pm 1.2\% + 5d$
ACV*	500V	$\pm 1.0\% + 2d$
DCV	200V	$\pm 0.8\% + 1d$
Resistance	200 Ω	$\pm 1.2\% + 1d$
*Frequency Response	40–400Hz	
Zero Adjust	External knob for DCA	

EXTECH
INSTRUMENTS

Passive-Component Digital LCR Meter

- 4½-digit backlit LCD display
- Measures L, C and R with secondary parameter Q, D or R; both are displayed
- Selectable parallel or series equivalent circuit
- Quality (Q) reading: 0 to 9999
- Test frequencies of 120Hz and 1kHz
- Resistance ranges: 20 Ω to 10M Ω
- Inductance ranges: 2000 μ H to 10,000H
- Capacitance ranges: 2000pF to 10mF
- Set HI/LO limits, absolute or percentage
- Bidirectional RS-232 port with optional software
- Max./Min./Avg. recording with auto power off
- Accuracy of 0.7% for L & C, 0.5% for R
- Dissipation Factor (D) reading: 0 to 0.9999
- Size: 3.6"W x 2.1"D x 7.6"H • Weight: 0.8 lbs.



Includes: Test leads, alligator clips, 9V battery & holster

Part No.	Description	1	10
198678	LCR Meter	\$170.99	\$162.40
189238	9VDC @ 300mA adapter	5.35	4.52

EXTECH
INSTRUMENTS

Passive Component R/C SMD Tweezer Meter

One hand operation for fast, precise identification and measure of surface mount components.

- 4000 count LCD display
- Measures resistance, capacitance and diode test
- Relative mode for zero or user applied reference
- Over range & low battery indicators
- Resistance range: 400 Ω , 4k Ω , 400k Ω , 4M Ω , 40M Ω
- Capacitance range: 4nF, 40nF, 400nF, 4 μ F, 40 μ F, 200 μ F
- Size: 7.1"L x 1.4"W x 0.8"D



Part No.	Product No.	1	5
1939685	RC100	\$49.99	\$47.49

EXTECH
INSTRUMENTS

40,000 Count Heavy Duty Industrial Multimeter

- Double molded for waterproof protection
- 1000V input protection on all functions
- Dual sensitivity frequency functions
- Large backlit LCD with bargraph
- Auto power off with disable feature
- Min/max/relative/data hold functions
- 8 functions w/ continuity and diode testing
- DC/AC voltage ranges: 0.1mV to 1000V
- DC/AC current ranges: 0.01 μ A to 20A
- Resistance ranges: 0.01 Ω to 40M Ω
- Capacitance ranges: 0.001nF to 40mF
- Frequency (electrical) ranges: 0.01Hz to 400Hz
- Frequency (electronic) ranges: 0.001Hz to 100MHz
- Temperature range: -50° to 1382°F (-45° to 750°C)
- Size: 7.25"L x 3.25"W x 2.25"D



Includes: Double molded test leads, magnetic hanging strap, Type K bead wire temperature probe, carrying case, and 9V battery

Part No.	Product No.	1	5
1939651	EX530	\$209.95	\$199.95

velleman 3-in-1 Lab Center

Your space-saving lab solution!
Everything you need in one unit.



Digital Multimeter:

- 3-1/2 backlit LCD • Automatic polarity indication
- DC voltage ranges: 200mV to 600V
- Data hold function and buzzer
- AC voltage ranges: 200V to 600V
- DC current ranges: 200 μ A to 10A
- Resistance ranges: 200 Ω to 2M Ω
- Diode, transistor and continuity tester

Regulated Power Supply:

- Selectable output volts: 3 to 4.5; 6 to 7.5; 9 to 12VDC
- Output current: 1.5A (2A peak) • On/off switch
- LED overload and power indicators

Soldering Station:

- 48W ceramic heating element with temp. sensor
- 24V soldering iron • Temp. range: 150° to 450°C

Includes: Test leads, user manual, sponge, spare bit for soldering iron and 9V battery for DMM

Part No.	Product No.	1	5
695025	LAB1	\$179.95	\$139.95

20MHz Industrial Scopemeter®

Digital Scope, 15-Function Digital Multimeter & Recorder

The Fluke 123 is the ideal choice for troubleshooting industrial machinery, instrumentation, control and power systems. It automatically recognizes signal patterns and sets up correct triggering, timing, and amplitude for stable displays.

♣ Refurbished = Backed by Jameco



Part No.	Description	Price
162747	Fluke 123-003 w/o software ♣	\$899.95

50mV/50A Current Shunt

- Current range: 0 to 50A
- Accuracy: 0.8% \pm 0.2mV
- Output ratio: 1mV/1A
- Max. current: 100A



Part No.	Description	1	10	25
162309	Current shunt ☉	\$28.19	\$25.49	\$22.55

*Digital Multimeters — Enter Web Code HBK

The Best Warranty in the Industry



All Jameco purchases are guaranteed for a full 90 days and even longer for Jameco House Brands.

*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

☉ RoHS compliant product ☉ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 159.

2000-Count Multimeters

- Resolution: 100µV max.
- DC voltage ranges: 200mV – 1000V
- Size: 7.5"W x 9.6"D x 2.5"H
- Weight: 2.6 lbs.



203801: 3 1/2-Digit - 2A

- DC/AC current ranges: 20µA – 2A
- AC voltage ranges: 200mV – 700V
- Resistance ranges: 200Ω – 20MΩ
- Conductance ranges: 2µS – 200nS

160830: 3 1/2-Digit - 10A

- DC/AC current ranges: 20µA – 10A
- AC voltage ranges: 200mV – 700V
- Resistance ranges: 200Ω – 20MΩ
- Conductance ranges: 2µS – 200nS

421542: 3 1/2-Digit - 2A

- DC/AC current ranges: 200µA – 2A
- AC voltage ranges: 200mV – 750V
- Resistance ranges: 200Ω – 20MΩ
- Conductance ranges: 2mS – 200nS
- Frequency ranges: 20Hz – 50kHz

✦ Refurbished = Backed by Jameco

Part No.	Product No.	1	5
160830	8010A✦	\$209.95	\$199.95
203801	8012A✦	199.95	189.95
421542	8050A✦	219.95	209.95

Handheld 5MHz Digital Oscilloscope with true-RMS Multimeter

- 5MHz bandwidth
- Record length: 512 single shot, 256 all other functions
- Sample mode: single shot, roll, normal
- Vertical sensitivity: 50mV max.
- Input volt.: 600VDC or AC_{RMS} max.
- Trigger modes: auto, normal, single
- Trigger source: channel A, channel B, external
- Trigger coupling: AC, DC
- Timebase: 1µS to 5S • Input impedance: 1MΩ
- Sampling time: 25MS/s dual ch.; 50MS/s single ch.
- 132 x 128 pixel super-twist two level backlit display
- Data hold and low battery indications
- RS-232 PC interface and software for transferring waveforms and data • Resolution: 100µV max.
- DC voltage ranges: 0.001V to 1000V
- AC (TRMS) voltage ranges: 0.001V to 750V
- Resistance ranges: 1Ω to 5MΩ
- Frequency ranges: 0.01Hz to 10MHz
- RPM ranges: 240 to 60,000 RPMs
- Size: 3.5"W x 1.8"D x 7.7"H



Includes: Test leads, alligator clips, Ni-MH battery pack, AC adapter/charger, RS-232 cable, holster and carrying case

Part No.	Product No.	1	5
645651	381295	\$449.95	\$427.45

Logic Pulser

✦ Web Code: MAQ

- Compatible with TTL, DTL and CMOS ICs
- Pulse repetition rate: 0.5pps/400pps
- 1MΩ sync input impedance
- Pulse width output at 100mA load: 10µs
- Pulse mode output current: 10mA
- Square wave current output: 5mA
- "One shot" or continuous 5Hz pulse train
- Size: 7.8"L x 1.0"W x 0.6"H



Part No.	Description	1	10	25
24601	Logic pulser	\$33.55	\$28.53	\$21.40

20MHz Handheld Digital Oscilloscope & Multimeter

- 4-in-1: digital oscilloscope, DMM frequency counter & logic analyzer
- Oscilloscope: 2-channel inputs; 5mV-2V/div; DC-20MHz (-3dB); 50ns-0.5µs/div; 20 MS/s sampling rate
- Logic analyzer: 8 inputs; 1.4V threshold level; 35VDC max. input; 50ns min. pulse width
- Digital multimeter: 3½-digit (max. 3999 counts); 40 segment analog bargraph; AC/DC voltage 400mV-600V; AC current 40µA-400mA; DC current 400µA-400mA; resistance 400Ω-40MΩ; continuity & diode testing
- Frequency counter: 5Hz-20MHz; 5-digit max.; autoranging; AC/DC/DC input coupling; ±10ppm accuracy; 35V_{RMS}/42V-P/60VDC max. input
- Oscilloscope probes: use P/N 22892 or 216047, pg 134 • Size: 10.0"L x 5.0"W x 2.0"H
- Battery required for portable use
- Weight: 9.2 lbs. • One-year warranty

METEX



NEW MARKED IN PINK

Includes: 5VDC @ 3A power supply, power cord, DMM test leads, manual, holster and case

Part No.	Product No.	1	5
162430	20MHz digital scope	\$799.95	\$789.95

20MHz Handheld Oscilloscope with Digital Multimeter

- 20MHz analog bandwidth with 2 vertical inputs
- Sensitivity: 5mV to 100V/div (in 1,2,5 sequence)
- 8-bit resolution
- Input impedance: 1MΩ ±1%; 20pF ±1.3pF
- Probe attenuation: x1 and x10
- Horizontal sweep rate: 50ns/div to 50s/div
- Acquisition system: sample, peak detect, envelope, average
- Waveform interpolation: dot, linear, sine, and pulse
- Trigger sensitivity: 0.5V/div (DC to 5MHz)
- Trigger type: edge, pulse width, video
- Coupling: AC/DC, HF-reject, LF-reject, noise reject
- DC voltage range: 600mV to 1000V
- AC voltage range: 6V to 600V
- Resistance range: 600Ω to 60MΩ
- Capacitance range: 60nF to 300µF
- Diode, continuity, high current and temperature test
- Size: 8.3"H x 4.2"W x 2.2"D



Power requirements: 9VDC @ 1A power supply or 7.2V NIMH battery pack

Includes: Power adapter, manual, scope probe, test leads, holster, USB cable and software

Part No.	Product No.	1	5
1918999	Protek 820	\$1,179.95	\$1099.95

17MHz Logic Probe

- Max input freq.: 17MHz
- Minimum pulse width: 30ns
- Pulse flash time: 500ms
- Audible tones for high & low
- Input impedance: 1MΩ
- Power supply protection: ±20V
- TTL threshold: Lo = 0.8V ±0.2V, Hi = 2.3V ±0.2V
- CMOS threshold: Lo = 30% VCC, Hi = 70% VCC
- Size: 7.7"L x 1.0"W x 0.6"H



Part No.	Description	1	10	25
149930	Logic probe	\$37.55	\$33.85	\$30.35

2MHz Panel Mount Oscilloscope

This compact scope at only 1.4" deep is perfect for continuous monitoring and system analysis.

velleman



- High contrast LCD display with backlight, 128 x 64 pixels
- Maximum sample rate: 10MHz for repetitive signals (2MHz for single shot events)
- Input impedance: 1MΩ/20pF
- Maximum input voltage: 100Vpeak (AC+DC); 200Vp-p (AC only)
- Maximum input amplifier bandwidth: 2MHz
- Input coupling: DC, AC, and GROUND
- Trigger modes: Run, normal, roll mode for 1s/div and slower time base • Vertical resolution: 8-bit
- Signal storage: 256 samples max., 125 samples visible • dBm measurement: -73dB to 40dB*
- dBV measurement: -75dB to 38dB*
- True RMS measurement: 0.1mV to 80V*
- Peak to peak AC range: 0.1mV to 160V*
- Timebase ranges in 32 steps: 0.2µs to 1 hour/division
- Input sensitivity ranges in 12 steps: 5mV to 20V/division @ x1; 50mV to 200V/division @ x10
- Input voltage: 6VAC or 9VDC @ 300mA
- Size: 6.5"W x 3.5"H x 1.4"D • Weight: 1.0 lb.



Part No.	Product No.	1	5
645280	VPS10	\$204.45	\$199.05

*Increased performance with x10 probe



20MHz 2-Channel Digital Oscilloscope

- 3.8" (97mm) color LCD display
- Auto-set function optimizes the position, range, timebase, and triggering to assure a stable display of virtually any waveform
- Peak detect function for 50ns glitch capture XY mode
- Five automatic measurements: frequency, cycle, average, peak to peak, and RMS
- Waveform math: add, subtract, multiply, and divide
- Store and recall up to 4 waveform screens for transferring
- USB interface and software for transferring waveforms and data
- 100MS/s real time sample rate
- Vertical sensitivity: 5mV to 5V/div
- 50ns to 5ns/div time base range
- 8-bits vertical resolution • 6k points per channel
- Input impedance: 1M/20pF • 17.5ns risetime
- 6 hours Li-ion rechargeable battery with AC charger
- Size: 7"H x 4.4"W x 1.6"D



True RMS Multimeter functions and ranges:

- AC/DC voltage range: 400mV, 4V, 40V, 400V
- AC/DC current range: 40mA, 400mA, 20A
- Resistance range: 400Ω, 4kΩ, 400kΩ, 40MΩ
- Capacitance range: 51.2nF to 100µF
- Diode and continuity test

Part No.	Product No.	1	5
1939677	MS400	\$899.99	\$854.95

*Oscilloscopes Available Online — Enter Web Code RCG

*Multimeters Available Online — Enter Web Code HBK

***For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above**

100MHz Logic Analyzer USB Interface

DigiView™ is a 18-channel, 100MHz logic analyzer with professional quality and high portability. DigiView™ uses a deep-capture buffer and real time hardware compression to achieve long period captures without reducing resolution.

- 18-channels, 100MHz
- USB interface and power source for portability
- Real time hardware compression
- Compression ratio up to 256,000:1
- Trigger on rising, falling, or transition of any channel
- Pre-trigger and post-trigger data capture
- Captures up to 5 minutes of data @ 10ns resolution

Part No.	Description	1	5
256866	USB logic analyzer	\$498.95	\$474.09

2-Channel USB PC Oscilloscope

The PCSU1000 digital storage oscilloscope uses the power of your PC to visualize electrical signals. Its highly sensitive display resolution, down to 0.15mV, combined with a high bandwidth and a sampling frequency of up to 1GHz give this unit all the power you need.

Oscilloscope:

- Input range: 5mV to 2V/division
- Time base: 20ns to 100ms per division
- Trigger source: CH1, CH2, EXT or free run
- Real time sampling frequency: 1.25kHz to 50MHz
- Sampling frequency for repetitive signals: 1GHz

Spectrum analyzer:

- Frequency range: 1.2kHz to 25MHz
- FFT resolution: 2048 lines
- FFT input channel: CH1 or CH2

Transient recorder:

- Timescale: 20ms/Div to 2000s/Div
- Max record time: 9.4 hour/screen
- Min./Max. number of samples: 20/s; 100/s

System requirements: IBM compatible PC, Windows® 98SE or later, SVGA display card, USB port

Includes: PC oscilloscope, 2 x 60MHz scope probes, USB cable and CD-ROM

Part No.	Description	1	5
695017	PCSU1000	\$635.59	\$592.42

PROBE MASTER Oscilloscope Probes

Designed for use with Tektronix and Hewlett Packard oscilloscopes.

- 3 position switch: x1, ref, x10
- Bandwidth @ 3dB: 10MHz (x1); 150MHz (x10)
- Loading: 57pF, 1MΩ (x1); 15pF, 10MΩ (x10)
- Low-resistance gold contacts
- Cord length: 5'

174473: 7-piece kit
212257: 25-piece kit

Part No.	Product No.	1	10
174473	4901-02 (150MHz)	\$44.09	\$41.85
212257	4915A (250MHz)	159.05	151.12

50MHz Digital PC-Based Oscilloscope, Spectrum Analyzer and Transient Recorder

- Sampling frequency: 1.25kHz–50MHz real-time; 1GHz repetitive
- Input impedance: 1MΩ/30pF
- Parallel port interface
- Inputs: 2 channels, 1 external trigger input
- Max. input voltage: 100V AC/DC
- Power required: 9V to 10V @ 1000mA (recommend P/N 364576, pg 115)

Oscilloscope:

- Time base: 20ns–100ms per division
- Input sensitivity: 5mV–15V per division with auto step-function
- Recording length: 4096 samples per channel

Spectrum Analyzer: Frequency range: 0 to 25MHz

Transient Recorder:

- Time scale: 20ms/div–2000s/div
- Max. recording time: 9.4 hours/screen
- Max. number of samples: 100/s

System requirements: IBM compatible PC, Windows® 95/98/ME, SVGA card, mouse, printer port, CD-ROM

Includes: 2 Test leads, parallel cable and CD-ROM

Part No.	Product No.	1	5
200184	PCS500AU	\$454.99	\$408.45

Modular Oscilloscope Probes



- Hook and pointed probes
- 216047/236777: with IC test ground cover and spring ground contact
- Maximum input volt.: 600V
- Alligator clip ground wire
- Length: 5'
- BNC male connector

Part No.	Bandwidth (±3dB)		Impedance (R/C) *	
	Attenuation	Attenuation	Attenuation	Attenuation
22892	x1	x10	x1	x10
22892	6MHz	60MHz	1MΩ/180pF	10MΩ/22pF
216047	6MHz	100MHz	1MΩ/47pF	10MΩ/16pF
236777	6MHz	250MHz	1MΩ/47pF	10MΩ/14pF

* with 20pF oscilloscope input

Part No.	Cross Ref. No.	1	10	50
22892	LF101E	\$29.95	\$26.96	\$24.26
216047	HF-9100	34.95	29.95	26.95
236777	HP-9250	45.95	43.39	32.54

* More Probes Available Online — Enter Web Code RAC

Pomona 100MHz Probe Set

- Complete accessory kit included
- Attenuation: x1/x10
- Bandwidth: 15/100MHz (–3dB)
- Rise time: 23.33/3.5ns
- Input resistance: 1/10MΩ
- Capacitance: 64/10.5pF
- Compensation range: 10–60pF
- 48" cable

Part No.	Product No.	Description	1	10
156451	4550B	Probe kit	\$54.89	\$50.89

20MHz Dual Trace Oscilloscope with Alt-Mag

- 3.15" x 3.94" CRT with internal graticule and scale
- Vertical amplifier: 5m/DIV to 5V/DIV in 10 steps (1-2-5 sequence)
- Horizontal sweep: 200ns/Div to 0.5s/Div in 20 steps (1-2-5 sequence)
- External trigger input: impedance – 1MΩ ±5% + 20pF capacitance; maximum input voltage – 160V (DC or AC peak)
- Z axis modulation: 5Vp-p sensitivity; maximum input voltage – 50V or ACp-p
- Input voltage: 120VAC or 220VAC @ 50/60Hz
- Size: 12.5"W x 15.75"D x 5.1"H • Weight: 16 lbs.

Part No.	Prod. No.	1	5
1536801	PROTEK 6020	\$440.05	\$418.02

30MHz Dual Trace Oscilloscope w/ LCR Component Tester

- 3.15" x 3.94" CRT with graticule and scale
- Vertical amplifier: 5mV/DIV to 20V/DIV in 12 steps (1-2-5 sequence)
- Horizontal sweep: 100ns/Div to 0.2s/Div in 20 steps (1-2-5 sequence)
- Triggering: external trigger input – 1MΩ ±5% impedance; maximum input voltage – 4-p
- Input voltage: 120VAC or 220VAC @ 50/60Hz
- Size: 12.2"W x 16.45"D x 5.1"H • Weight: 14.3 lbs.

Part No.	Product No.	1	5
1536819	PROTEK 6030	\$531.45	\$504.84

* Oscilloscopes Available Online — Enter Web Code RCG

40MHz Multifunction Oscilloscopes w/ Built-In 5MHz Function Generator



Oscilloscope:

- 6" rectangle high resolution CRT
- Max signal input volt.: 400V (DC and AC peak)
- Input voltage: 100/120/220/240VAC @ 50–60Hz
- Size: 15.7"L x 12.8"W x 5.2"H • Weight: 26 lbs.
- Two-year manufacturer's warranty
- 1586200: w/ built-in 60MHz auto-detect counter function generator:
- Frequency range: 0.5Hz to 5MHz (6 ranges)
- Output waveforms: sine, triangle, square
- Output impedance: 50Ω
- Output volt.: 20Vp-p (no load), 10Vp-p (w/50Ω load)
- See www.Jameco.com for additional specs.

Part No.	Product No.	1	10
1536886	SK0404	\$540.55	\$509.95
1586200	SK0409	821.55	738.35

* For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 159.

20MHz 2-Channel Analog Oscilloscope

- 6" rectangular screen with internal graticule and scale
 - Vertical deflection: 1mV/div to 1V/div (5MHz, 3dB) x 5 gain selected
 - Horizontal deflection: 0.1µs/div to 2.0s/div in 1-2-5 sequence, 23 steps
 - Max. input voltage: 400V (DC + AC peak)
 - Input voltage: 115/230VAC w/ line voltage selector
 - ADD function measures sum of two signals
 - Size: 12.8"W x 15.7"D x 5.2"H • Weight: 16.8 lbs.
- Includes:** Two (X1/X10) test probes, power cord & manual
- | Part No. | Product No. | 1 | 5 |
|----------|-------------|----------|----------|
| 685311 | SK0200 | \$399.95 | \$383.11 |



Wire Tracer/Tone Generator Kit

- Typical applications: identifies wire pairs, trace LAN and telephone cables, check continuity, test telephone polarity, F type connector for testing 75Ω coaxial video cables
 - Transmitter with output cables terminated in modular RJ11 and RJ45 phone connectors
 - Injects traceable signal into cables, checks telephone lines, and performs continuity checks
 - Adjustable sensitivity control improves wire identification and eliminates false detection
 - Non-contact probe audibly identifies selected wire/cable
 - Traces wires from source to termination
 - Size: Probe – 5.8"L x 1.1"W x 1.1"D; Generator – 4.1"L x 2.6"W x 0.9"D
- Includes:** Tone probe and tone generator with RJ11 and RJ45 connectors, adaptor with F type coaxial connector, alligator clips, 4 LR44 batteries, 9V battery and carrying case
- | Part No. | Product No. | 1 | 5 |
|----------|-------------|---------|---------|
| 692511 | TG30 | \$55.95 | \$49.95 |



3MHz Function Generator with Positive and Negative Pulses

- 6 waveforms: sine, square, triangle, ramp, positive pulse and negative pulse
 - Input voltage: 110VAC
 - Output impedance: 50Ω ±2%
 - Knob selector switches for waveforms and frequency ranges • Size: 10.5"W x 11.2"D x 3.9"H
 - Frequency range: 0.5Hz to 3MHz in 6 ranges via rotary switch • Weight: 6.6 lbs.
- | Part No. | Product No. | 1 | 5 |
|----------|-------------|----------|----------|
| 685329 | SK3000 | \$216.09 | \$205.35 |



*Function Generators — Enter Web Code DEJ

More Product Information

Compare products online to quickly find the products you want with real time product availability and specifications. Purchasing products has never been easier. www.Jameco.com

2MHz & 3MHz Function Generators w/ Frequency Counter

- Function Generator**
- Waveforms: sine, triangle, square, TTL, and CMOS output; 229260 has ramp
 - Frequency ranges: 229251: 0.2Hz – 2MHz in 7 ranges; 229260: 0.3Hz – 3MHz in 7 ranges
 - Output amplitude: >10Vp-p into 50Ω load
 - Output impedance: 50Ω ±10%
 - DC offset range: <-5V to >+5V into 50Ω load
 - Voltage controlled frequency function
 - Variable DC offset control
- Frequency Counter**
- Input voltage: 115/230VAC @ 50-60Hz
 - Weight: 4.4 lbs. • Two-year warranty
 - 229251: • 4-digit LCD display
 - Ranges: 0.2Hz to 2MHz internal only; with resolution of 0.1Hz to 1kHz • Size: 9.1"W x 11.0"D x 3.7"H
 - 229260: • 6-digit LCD display
 - Ranges: INT/EXT switch, 0.3Hz to 3MHz internal and 5Hz to 150MHz external; resolution of 10nHz to 0.1Hz • Size: 9.9"W x 11.5"D x 3.6"H
- Includes:** Power cord, operations manual and leads
- | Part No. | Product No. | Description | 1 | 5 |
|----------|-------------|-------------|----------|----------|
| 229251 | GFG-8020H | 2MHz | \$275.95 | \$245.95 |
| 229260 | GFG-8216A | 3MHz | 299.95 | 269.95 |



INSTEK



5MHz Function Generator

- Waveforms: sine, square, triangle and ramp
 - 0.5 to 5MHz
 - 100% DC offset
 - Variable duty cycle
 - Output impedance: 50Ω
 - Coarse and fine tuning
 - Size: 10.4"W x 11.7"D x 3.4"H
 - Weight: 6.2 lbs.
 - Two-year warranty
- | Part No. | Product No. | 1 | 5 |
|----------|-------------|----------|----------|
| 160469 | BK4011A | \$318.55 | \$311.41 |



2MHz Sweep Function Generator w/ Frequency Counter

- Function Generator**
- Waveforms: sine, triangle, square, skewed, ramp, pulse
 - Frequency: 2Hz – 2MHz in 7 ranges
 - Output amplitude: 2 to 20Vpp at open load; 1 to 10Vpp at 50Ω load
 - Output impedance: 50Ω ±10%
 - Offset variable range (max.): ±10VDC at open load
 - Frequency sweep time: 20ms to 2s
- Frequency Counter**
- Measuring range: channel A: 1Hz to 20MHz; channel B: 20MHz to 2.7GHz
 - Input sensitivity: channel A: 20mVRMS sine wave or 100mVp-p; channel B: 40mVRMS for 20MHz to 1.3GHz; 70mVRMS for 1.3GHz to 2.7GHz
 - Maximum input voltage: channel A: 35Vp-p; channel B: 3Vp-p
 - Input impedance: channel A: 1MΩ; channel B: 50MΩ
 - Data logging and graphic software
 - Size: 11.0"L x 8.2"W x 3.7"H • Weight: 13.4 lbs.
- Includes:** Coax and power cable, manual, serial cable and software
- | Part No. | Description | 1 | 5 |
|----------|-------------|----------|----------|
| 192671 | 2MHz/2.7GHz | \$299.95 | \$289.95 |



METEX®

NEW MARKED IN PINK

*Frequency Counters — Enter Web Code VCG

JAMECO BenchPro Function Generator Kit

- Sine, Triangle and Square Wave**
- Great for prototyping electronic circuits, whether analog or digital! Produces sinusoidal, triangular, and square waveforms at frequencies continuously variable from 1Hz to 100kHz.
- 21-piece kit includes: chip, components, PC board, hardware
 - Intermediate Level • Size: 4.1"L x 1.5"W
- Requires:** 12VDC supply or ±6VDC split supply
- | Part No. | Cross Ref. No. | 1 | 10 |
|----------|----------------|---------|---------|
| 20685 | JE2206 | \$27.95 | \$24.95 |



The Best Warranty in the Industry

30-Day Returns >>>

If for any reason you aren't happy with your purchase during the first 30 days from the time of shipment, we'll take it back.

90-Day Returns >>>

We warrant all products we sell against manufacturer defects for a full 90 days from the time of shipment. While our competitors will make you hunt down the contact information for the manufacturer, we'll just repair or replace the product.

One-Year Warranty >>>

All Jameco ReliaPro, Jameco ValuePro and BenchPro products are warranted against defects in material or workmanship for a period of one year from the time of shipment.

*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

Quad Output DC Power Supply

4-in-1 Power Supply

- 4 power supplies built into 1 – two fully adjustable power supplies combined with two auxiliary outputs
- Two 0 – 30V @ 0 – 5A outputs with selectable constant voltage and constant current modes
- 3 to 6.5V @ 3A fixed; 8 to 15V @ 1A fixed
- Output up to 60V in series mode; 10A in parallel mode
- Overload and short-circuit protection
- Load/line voltage regulation: $<1 \times 10^{-4} + 3\text{mV}$
- Load/line current regulation: $<2 \times 10^{-4} + 3\text{mV}$
- Ripple and noise: $<0.5\text{mV/rms}$
- Input voltage: 100 to 240VAC @ 50/60Hz
- Size: 6.3"H x 10.2"W x 14.5"D • Weight: 26.5 lbs.



EXTECH INSTRUMENTS

Part No.	Product No.	1	5
1939618	382270	\$449.95	\$427.45

200W Programmable Switching Power Supplies with PC Interface

- Voltage regulation: 10mV load; $\leq 0.05\%$ line
- Current regulation: 5mA load; $\leq 0.05\%$ line
- Output ON/OFF control
- Ripple: $\leq 20\text{mV}_{\text{RMS}}$; $\leq 10\text{mA}_{\text{RMS}}$
- Overvoltage/overcurrent/overpower/overtemperature protection • Weight: 8.8 lbs.
- Standard RS-232C 9-pin female interface
- Input voltage: 115/230VAC @ 50-60Hz
- Size: 8.9"W x 12.0"D x 3.9"H • Two-year warranty



INSTEK

Includes: Power cord, operations manual & test leads

Part No.	Product No.	Description	1	5
229323	PSP-2010	0-20V @ 0-10A	\$365.95	\$349.95

900W Output Switching Mode DC Power Supply

Remote Control Operation

- Constant voltage and current with high load/line regulation and low noise/ripple
- Ripple and noise: $<5\text{mVrms}$
- 10-turn potentiometers provide precise output voltage and current control
- Remote sensing for applications that require precise voltage at the point of application
- Overload, overtemperature and short-circuit protection
- Output voltage and current: 1 – 30VDC @ 1 to 30A
- Load voltage/load current regulation: 0.1%/0.2%
- Input power: 100 to 240VAC @ 50-60Hz
- Dual 4-digit LED displays
- Basic accuracy: $\pm 0.5\%$
- Size: 13.4"W x 3.8"H x 9.3"D • Weight: 13.2 lbs.



Part No.	Product No.	1	5
1939626	382290	\$798.95	\$755.95

ATX Power Supply Tester

- LED indicators for ATX power supply outputs to indicate pass or fail
- Tests +3.3V, +5V, +12V, +5VSB, -5V, -12V and PG outputs
- 20-pin ATX connector on one side of the tester
- 4-pin HDD connector, floppy drive connector, and P4 connector on the other side of the tester



Part No.	Description	1	10
1928450	ATX power tester	\$16.95	\$14.95



45W to 600W Benchtop Power Supplies

- Voltage and current adjustable
- Current restricted and short-circuit protection
- Input voltage: 115/230 $\pm 10\%$ VAC



301920



207618



207706



211693

Single Output

Part No.	Product No.	Displays	Power (W)	Voltage (VDC)/Current (A)	Size (W"xH"xD")	Wt. (lbs.)	1	10
301920	HY1503C	2-Analog	45	15/3	3.8 x 6.3 x 9.1	9	\$119.95	\$89.96
301866	HY3003D	2-Digital LCD	90	30/3	5.4 x 6.2 x 11.5	10	179.95	134.96
207618	HY3005C	2-Analog	150	30/5	5.4 x 6.2 x 11.5	14	169.55	161.07
207626	HY3010C	2-Analog	300	30/10	10.4 x 6.5 x 14.4	31	379.95	289.95
207635	HY3010D	2-Digital LED	300	30/10	10.4 x 6.5 x 14.4	31	399.95	329.95
207686	HY3020D	2-Digital LED	600	30/20	10.4 x 6.5 x 14.4	42	559.95	499.95
207694	HY5002D	2-Digital LED	100	50/2	5.4 x 6.2 x 11.5	13	219.95	195.95
207706	HY5003D	2-Digital LED	150	50/3	5.4 x 6.2 x 11.5	13	279.95	229.95
207600	HY5005	2-Digital LED	250	50/5	10.4 x 6.5 x 14.4	17	339.95	322.94

Multiple Output

Part No.	Product No.	Displays	Power (W)	Voltage (VDC)/Current (A)	Size (W"xH"xD")	Wt. (lbs.)	1	10
211722	HY3002-2D	2-Digital LED	120	0-30/2; 0-30/2	10.4 x 6.5 x 14.4	23	\$239.95	\$219.95
211705	HY3002D-2	4-Digital LCD	120	0-30/2; 0-30/2	10.4 x 6.5 x 14.4	23	275.95	225.95
211693	HY3003D-2	4-Digital LCD	180	0-30/3; 0-30/3	10.4 x 6.5 x 14.4	28	329.95	285.95
211730	HY3003-2	2-Digital LED	180	0-30/3; 0-30/3	10.4 x 6.5 x 14.4	28	299.95	247.39
211713	HY3003-3	2-Digital LED	195	0-30/3; 0-30/3; 5/3	10.4 x 6.5 x 14.4	29	319.95	239.96
211684	HY3003D-3	4-Digital LCD	195	0-30/3; 0-30/3; 5/3	10.4 x 6.5 x 14.4	29	329.95	296.95
301947	HY3005D-2	4-Digital LCD	300	0-30/5; 0-30/5	10.4 x 6.5 x 14.4	26.5	399.95	288.68
301955	HY3005D-3	4-Digital LCD	315	0-30/5; 0-30/5; 5/3	10.4 x 6.5 x 14.4	29	419.95	399.95
301962	HY5003-2	2-Digital LED	300	0-50/3; 0-50/3	10.4 x 6.5 x 14.4	26	339.95	254.96

80-Watt Switching Mode DC Power Supply

3-in-1 DC Power Supply

- Input voltage: 90-264VAC @ 47-63Hz
- Constant voltage and current
- Basic accuracy: $\pm 1\%$
- Ripple and noise: $<30\text{mVp-p}$
- Line regulation: $<4\text{mV}$
- Load regulation: $<20\text{mV}$
- Dual 4-digit LED display
- 3 ranges: 0 – 16.4V @ 0-5.1A; 0 – 27.6V @ 0 – 3.1A; 0 – 36.8V @ 0 – 2.3A
- Remote sensing for accurate applied voltage at load point • Front and rear output terminals
- Size: 13"H x 5"W x 2.1"D • Weight: 4.2 lbs.



Part No.	Product No.	1	5
1939600	382260	\$239.95	\$229.95

90-Watt Digital DC Power Supply

30V @ 3A

- Input voltage: 110/220VAC @ 50-60Hz
- Resolution: 1% ± 1 digit accuracy
- Constant voltage and current operation
- Size: 5.1"W x 10.1"D x 5.9"H

JAMECO EXCLUSIVE



Part No.	Description	1	5
489184	DRP-303D	\$199.95	\$189.95

Analog display power supplies

- Accuracy: 2.5%

Digital display power supplies

- Voltage accuracy: 1% + 2 digits
- Current accuracy: 1.5% + 2 digits

*Web Code: SAX

30 & 54-Watt Digital Benchtop Power Supplies

- Single output
- Adjustable voltage output: 645600 = 0-30V; 681221 = 0-18V
- Adjustable current output: 645600 = 0-1A; 681221=0-3A
- Max. display resolution: 0.1V/10mA
- Color coded banana plug output jacks
- Input voltage: 120VAC @ 60Hz
- Size: 9.4"H x 4.3"W x 6.1"D



EXTECH INSTRUMENTS

Part No.	Product No.	Wt. (lbs.)	1	5
645600	382200 (30W)	4.4	\$129.95	\$123.95
681221	382202 (54W)	6.6	138.95	134.95



30-Watt Digital Benchtop Power Supply

- Single output, adjustable from 1.5VDC to 30VDC
- Compact design
- Output terminals
- Input volt.: 85-264VAC @ 47-63Hz
- Large digit backlit display • Fixed current output
- Overload and short-circuit protection
- Size: 5.5"L x 5.2"W x 1.6"H • Weight: 1.2 lbs.



Part No.	Product No.	1	10
301971	PSU130	\$94.15	\$89.93

*Benchtop Power Supplies — Enter Web Code SAX

*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 159.

50VDC @ 3A

- Adjustable voltage/current outputs
- Input voltage: 110VAC @ 60Hz
- Color-coded terminals for ground, positive and negative terminals
- Color-coded adjustment knobs for voltage, current and fine adjustment
- Constant voltage & current operation
- 3A @ 115V fuse
- One-year warranty

Part No.	Description	Color	Size (L"xW"xH")	Wt. (lbs.)	1	10	25
163723	50VDC @ 3A	Dark gray	9.0 x 4.75 x 7.5	12.3	\$146.99	\$139.49	\$132.49



100-Watt Triple Output Digital and Analog DC Power Supplies

30VDC @ 3A

- Triple output with fixed 5VDC @ 0.5A, 12VDC @ 0.5A
- Adjustable 0 – 30V voltage and 0 – 3A current outputs
- Constant voltage or current
- Current limiting indicator
- Displays of both voltage and current
- Overload and short-circuit protection
- Binding post terminals for variable supply
- Input voltage: 110/220VAC @ 50-60Hz (switchable)
- Size: 9.5"L x 6.0"W x 5.6"H
- Weight: 10.0 lbs.



*Web Code: SAX

Part No.	Description	1	10
197991	Digital DC	\$199.95	\$185.95
197982	Analog DC	145.35	138.04

150 to 250-Watt Analog Power Supplies

- Color-coded adjustment knob and output terminals for voltage
- Voltage and current panel meter
- Built-in fan
- Constant voltage and current operation

175265: 15VDC @ 10A, 150-Watt

- Output current: 15A max.
- Input voltage: 110VAC @ 60Hz
- Overvoltage, overcurrent, short-circuit protection
- Cigarette lighter plug for current output
- LED indicator for power and warning



175265



175257



175249

175257: 15VDC @ 15A, 225-Watt

- Output current: 25A max. (22A continuous @ 13.8VDC)
- Input voltage: 110VAC/220VAC @ 47-63Hz (switchable)
- LED indicator for power and warning
- Overvoltage protection @ 16.5V
- Short-circuit protection @ 27.5A
- Cigarette lighter plug for current output

175249: 50VDC @ 5A, 250-Watt

- 5A @ 250V fuse
- Input voltage: 110VAC @ 50-60Hz
- Isolated ground

*Web Code: SAX

Part No.	Cross Ref. No.	Output Voltage	Size (L" x W" x H")	Wt. (lbs.)	1	10	25
175265	DPS150A	2-15VDC	5.7 x 6.2 x 4.0	12.0	\$164.95	\$149.95	\$139.95
175257	SPS250A	9-15VDC	5.6 x 6.2 x 4.0	3.8	151.59	139.59	104.69
175249	DPS5050	0-50VDC	4.9 x 7.7 x 6.7	13.8	199.55	189.06	180.17



Hygro-Thermometer

Simultaneous display of temperature & humidity

- Attractive design for desktop or wall mounting
- Large LCD display of temperature and humidity
- Max/Min memory w/ reset
- Dual indoor/outdoor displays
- Switchable °C or °F temperature units
- Remote outside sensor on 35" cable
- Humidity range: 0 – 99% RH w/ basic accuracy of ±5%
- Size: 4.3"W x 3.9"H x 0.8" Thick
- Temperature range: 14°F to 140°F (-10°C to 60°C) with basic accuracy of ±1.8°F/1°C



Part No.	Product No.	1	5
1939634	445713	\$39.95	\$37.95



Pocket IR Thermometer with Laser Pointer

The pocket IR thermometer measures the surface temperature of objects which are difficult to reach or unsafe to contact. It also measures hot spots in electrical panels and equipment.

- Temperature range: -58°F to 518°F (-50°C to 270°C)
- Built-in laser pointer to improve aim
- Fixed emissivity (0.95) covers 90% of surface applications
- Visual overrange indicator
- F/°C switchable
- Size: 3.8"L x 2.0"W x 0.9"D
- 6:1 field of view
- Data hold/max hold

Best Seller!



Includes: 2 AA batteries

Part No.	Description	1	5
219361	Pocket IR thermometer	\$59.95	\$56.99

*Thermometers— Enter Web Code CEL



Mini IR Thermometer

- Economical mini-size design for convenience
- Field of view: 1:1
- Temperature range: -31°F to 446°F (-35°C to 230°C)
- Maximum resolution: 0.1°F/°C
- Fixed emissivity covers 90% of surface applications
- Size: 3.0"L x 1.6"W x 0.7"D



Part No.	Product No.	1	5
1537299	IR100	\$29.25	\$28.49



Combination Tachometer + IR Thermometer

Photo/Contact Tachometer includes a non-contact IR thermometer for surface temperature measurement.

- Built-in IR thermometer with laser measures remote surface temperature
- Temp. ranges: -4°F to 600°F (-20°C to 315°C)
- Fixed 0.95 emissivity, 6:1 distance to target ratio
- Provides wide RPM (photo and contact) and linear surface speed (contact) measurements
- Size: 8.5"L x 2.6"W x 1.6"D
- Large 0.4" (99,999 count) LCD display
- Non-contact photo tachometer uses a laser for greater measuring distance up to 6.5ft.
- Characters on display reverse direction depending on mode
- Memory stores min/max/last
- RPM ranges: 10 to 99,999 (photo)/0.5 to 20,000 (contact) with basic accuracy of ±0.5% of reading



Includes: Tips/wheels, four 1.5V AA batteries, reflective tape, and carrying case

Part No.	Product No.	1	5
1939731	RPM10	\$299.95	\$284.95

Digital Light Meter

- Measures in Lux and footcandle ranges
- Range: Lux – 0 - 50,000 Lux (3 ranges); footcandle – 0 - 5,000 Fc (3 ranges)
- Analog output connectors for external recording
- Separate light sensor for optimum location sampling
- 0.5" digit height
- Dimensions (sensor probe): 3.2"L x 2.2"W x 0.5"H
- Weight: 0.9 lbs.
- One-year warranty



Part No.	Description	1	10
131764	Digital light meter	\$110.95	\$99.85



Digital Psychrometer

- Simultaneous display of % RH, temp. and dew point or wet bulb or probe temp.
- Temp. ranges: (internal) -4°F to 122°F (-20°C to 50°C); (external) -4°F to 158°F (-20°C to 70°C)
- Temp. ranges: -90.4°F to 122°F (-68°C to 49.9°C)
- Wet bulb measurement without slinging
- Calculates T1-T2 differential (air temp. minus external probe temp. using optional probe, P/N 1581151, see web)
- Switchable °F/°C temp. reading
- Size: 7.0"L x 1.9"W x 1.0"D

*Web Code: LBC



Part No.	Product No.	1	10
1581142	RH300	\$89.95	\$86.59

*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above



Combustible Gas Leak Detector

- Detects combustible gas – liquefied natural gas (LNG) and liquefied propane gas (LPG) 500-6500ppm
- Highly sensitive detection circuitry
- Audible and visual alarm
- LED indicators for gas leakage & static absorption • Size: 6.5"L x 0.8"Dia.

Includes: 2 AAA batteries

Part No.	Product No.	1	10
1581169	FG100	\$59.95	\$56.95



Carbon Monoxide (CO) Meter

Air safety checks in industrial environments

- Ergonomic pocket size housing
- One button operation
- Easy to read 1999 count backlit display
- CO level reading range: 0 to 1000ppm with resolution of 1ppm
- Accuracy: 5% or ± 10 ppm
- Audible alarm starting at 35ppm with continuous beeping when above 200ppm • Auto power off
- Max hold and data buttons
- Size: 6.3"H x 2.2"W x 1.6"Thick



Applications: Ambient air safety checks on residential appliances, HVAC service on furnaces and hot water heaters, home inspections, industrial environments where accumulation of CO is possible

Includes: 9V battery, protective rubber holster and carrying case

Part No.	Product No.	1	5
1940248	CO10	\$229.95	\$219.95



RF EMF Strength Meter

- High frequency measurement for EMF
- For electromagnetic field strength measurement including mobile phones, cell phones, base stations, and microwave leakage
- Non-directional (isotropic) measurement w/ 3-channel (tri-axial) measurement probe
- Max. hold and average functions
- Manual store/recall up to 99 sets
- Sensor type: electric field
- Frequency range: 50MHz to 3.5GHz
- Level exceed audible alarm w/ user selectable threshold
- Units of measure: mV/m, V/m, uA/m, uW/m², mW/m², W/m², uW/cm², mW/cm²
- Measuring ranges: 20mV/m to 108V/m; 53uA/m to 286.4mA/m; 1uW/m² to 30.93W/m²; 0uW/cm² to 3.093uW/cm²
- Adjustable threshold with On/Off for audible alarm
- Size: 9.3"L x 2.4"W x 2.4"Thick



Part No.	Product No.	1	5
1939642	480836	\$229.95	\$219.95

*Environmental Meters — Enter Web Code LBC

Phone Line Tester

- Loop limit: 2k Ω max. @ 48VDC
- DC resistance (talk mode): 300 Ω typical
- Monitor impedance: 39k Ω nominal @ 1kHz
- Monitor amplifier: 9V transistor provides 25 hours continuous use
- Power source: shared line and battery power (9V) • Auto power shut-off
- Size: 10.3"L x 2.8"W x 3.5"H



Part No.	Product No.	Price
673707	MT-8001	\$149.95



Home Inspector Kit

Specifically designed for home inspection professionals – aids in identification of moisture, HVAC, electrical and hot water system issues. This entire kit comes in an attractive storage case that provides protection and organization for the testers whenever they are needed.

Kit includes the following equipments:

MO280 Pinless Moisture Meter

- Select from 10 different wood types
- Displays %moisture from 0 to 9%
- Measurement depth to 0.75" (22mm) below the surface

42500 Mini IR Thermometer

- Ideal for testing HVAC supply and return applications
- Measures from -4°F to 500°F (-20°C to 260°C)
- Built-in laser pointer improves aim and identifies target
- 0.95 fixed emissivity with 6:1 distance to target ratio

ET10 GFCI Receptacle Tester

- Tests for faulty wiring in 3-wire receptacles and GFCI circuits • Detects 5 wiring faults

39240 Waterproof Stem Thermometer

- Ideal for testing hot water heaters
- Measures from -40°F to 392°F (-40°C to 200°C)
- 2.75" (70mm) stainless steel stem



Part No.	Product No.	1	5
1939669	MO280-KH	\$199.95	\$189.95

Industrial Troubleshooting Kit

Assembled to provide all the electrical testing needs for installation and repair of electrical systems, HVAC equipment, and large appliances. This kit comes with:

EX430 true RMS Multimeter with 11 functions (AC/DC voltage and current, resistance, capacitance, frequency, temperature, duty cycle, diode, and continuity); 42510 Mini IR thermometer offers non-contact temperature measurement on surfaces difficult or unsafe to reach (temperature range: -58°F to 1000°F/-50°C to 538°C); MA200 400A AC clamp meter with 6 functions (AC current, AC/DC voltage, resistance, diode, and continuity); 40130 non-contact AC voltage detector measure voltage from 100V to 600V. Kit also includes test leads, K-type thermocouple bead probe, Type K to banana input adapter, multimeter hanging straps, and batteries.

- Size: 9.5"W x 6.8"H x 2.8"D



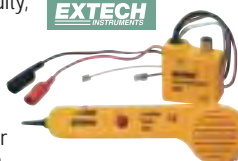
Part No.	Product No.	1	5
1939749	TK-430-IR	\$189.95	\$179.95

Tone Generator & Amplifier Probe For Tracing Wires & Cables

- Tests wire trace, continuity, clear/busy/ringing line, tip/ring identification
- Insulated inductive probe tip prevents shorting conductors
- Selectable continuous or variable tone generation
- Output jacks for both headphones and handsets

Includes: Alligator test leads, modular phone connector cables, 9V battery, and carrying pouch

Part No.	Description	1	10
198002	Tone gen. & amp. probe	\$78.39	\$74.47



Pen DMM with Non-Contact Voltage Detector

- Large 2,000 count LCD display
- Overload & low battery indication
- Non-contact volt detection w/ visible & audible alarm
- Non-contact voltage range: 50VAC to 600VAC
- DC voltage ranges: 200mV to 600V with 0.1mV res.
- AC voltage ranges: 200mV to 600V with 0.1mV res.
- Resistance ranges: 200 Ω to 20M Ω with 0.1 Ω resolution • Diode & continuity test
- Size: 8.2"L x 1.5"W x 1.1"D • Weight: 0.3 lbs.

Includes: Test leads with alligator clips, two 1.5V AAA batteries, and carrying case

Part No.	Product No.	1	5
1537184	381676	\$38.99	\$37.99

ZapChecker (RF Field Strength Meter)

Detect and measure all those weak radio signals on HF, VHF, UHF or Microwave frequencies. Ideal for discovering wireless bugs and covert cameras, the ZAPCHECKER also works well to help install wireless security systems and wireless computer networks by checking where the strongest signal is. Measure electromagnetic radiation and emissions from microwave ovens, cell phones, wireless phones, and electronic equipment. ZC-300 includes a log periodic antenna for that extra boost in locating and measuring signals and a BNC connector if you choose to use other antennas.

- Sensitivity control: 20dB, (10:1) signal control range
- Detection modes: LINEAR – for far-field detection of weakest signals: 12dB • Sensitivity: 45 μ V
- Dynamic range: LOG – for near-field localization without overloading: 60dB
- Dynamic range MID – for intermediate detection and localization: 25dB dynamic range
- Analog mode: for detecting and measuring continuously transmitted signals
- Digital mode: for detecting, identifying, and measuring digitally pulsed signals
- Silent vibrator: intensity modulated, switch-enabled vibrator for mid to high level signals
- Analog meter display for visual indication of changes and levels of RF signals
- Approximately 80 hours of battery life (2 x AA bat.)
- LED display indicators • Size: 2.1"W x 1.3"D x 5.0"H

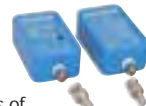
Part No.	Description	Frequency	1	10
667817	ZC-300	1MHz-8GHz	\$504.69	\$468.61

Cable Tester for Network & CATV

- Automatically tests for continuity, miswires, open circuits, short circuits, and reversals
- Test all common data including polarization & wiring configurations of Ethernet (BNC/TNC), token ring, 10-BaseT (UTP/STP), AT & AT258A, TIA568A/B, and modular cables
- Test device used with UTP (unshielded twisted pair) and STP (shielded twisted pair) wiring
- Checks continuity and configuration of wiring with unshielded and shielded modular plugs
- Shield detection tests a cable's shield integrity

Includes: Tester, remote terminator & BNC to F adapter

Part No.	Product No.	1	10
1928468	KT45	\$59.95	\$53.95



*Web Code: TBF

*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

Modular Cable Tester

Easily read correct pin configuration of 10baseT, 10base2, RJ45/RJ11 modular cables, 258A, TIA568A/568B, token ring, etc.

- Check for cable continuity, miswiring, open, short, grounding, and pin configurations
- Cable adapters: RJ45 M-M, 2 RJ45M-BNCM & BNC F-F
- On-board conn.: 2 RJ45F (tester) & 1 RJ45F (remote)
- Size: 4.0"L x 2.5"W x 1.0"H (Main console)
- Size: 4.0"L x 1.3"W x 1.0"H (Remote)

Includes: Manual and test cables

Part No.	Description	1	10
145710	Modular cable tester	\$84.95	\$76.49

PC Cable-Check® Pro

This powerful universal cable tester troubleshoots and maps 20 types of computer cables for opens, shorts, crosses, and good connections. PC Cable-Check Pro tests any combination of D-sub 9-pin, D-sub 15-pin, D-sub 25-pin, Centronics 36-pin printer, USB-A and USB-B, Mini USB, PS/2, RJ-11, RJ-45, BNC female-female cables and Firewire.

- Easy to read LED indicators for mapping connections
- Auto power off, auto scan, and manual scan

Includes: 9V battery

Part No.	Product No.	1	10
652480	1577	\$176.39	\$167.55

RS-232 Mini-Tester

Tests any RS-232 (DB25) interface and helps to identify equipment that has failed. Seven bicolor LEDs indicate the status of TD, RD, RTS, CTS, DSR, CD and DTR. LEDs indicate positive (red) and negative (green). No extra power is required. Connectors: male to female DB25.

Part No.	Description	1	10	100
26729	Tester w/ status LEDs	\$12.95	\$11.95	\$10.95

RS-232 Loopback Tester

The tester acts as a data verifier by sending data back to the transmission device. Used for diagnostic testing of RS-232 circuits. 4 LEDs monitor lines 2 to 3, 4 to 5, 6 to 20, and 15 to 17. Connectors: male to female DB25.

Part No.	Description	1	10	100
22728	Loopback tester	\$6.95	\$5.95	\$4.46

RS-232 Line Status Tester

Identifies simple interface problems which you can repair yourself. Targets the status of lines 2, 3, 4, 5, 6, 8, 11, 19, and 20. Connectors: male to female DB25.

Part No.	Description	1	10	100
14285	Check line tester	\$10.75	\$9.71	\$7.28

* Cable Testers — Enter Web Code TBF

RS-232 Signal Adapter/Splitter

- Metal connectors: DB25 female and male, and DB9 male
- Gold-plated contacts

Part No.	Description	1	10	100
105196	Serial adapter	\$9.55	\$8.76	\$7.14

Miniature RS-232 Breakout Box for Quick Design Changes

Design new interfaces or modify old ones quickly and easily. Completely self-contained. Connectors: male to female DB25.

Includes: 25 each 22 AWG wire jumpers and machine tool sockets

Part No.	Description	1	10	100
11181	Breakout box	\$10.75	\$9.14	\$8.23

Looped Color Coded Test Points

- Phosphor bronze, silver plated wire
- Snap-fit mount
- PBT, UL94V-0

Miniature (.300" L, .040" Dia. Mtg. Hole)

Part No.	Product No.	Color	Order in multiples of 5
1581986	5001	Black	5 100
			\$.133 \$.124

Compact (.350" L, .063" Dia. Mtg. Hole)

Part No.	Product No.	Color	Order in multiples of 10
1582022	5006	Black	10 100
			\$.236 \$.177

Multipurpose (.445" L, .063" Dia. Mtg. Hole)

Part No.	Product No.	Color	10	100
1582065	5012	White	\$.176	\$.132

BNC Cables

- RG58 C/U 50Ω cable
- BNC male connectors
- Molded strain relief
- Length: P/N 159871: 36" P/N 159880: 60"

Part No.	Product No.	1	10	25
159871	2249-C-36	\$15.79	\$14.22	\$13.47
159880	2249-C-60	17.85	17.19	16.55

11"L Test Lead Holders

- 155985: Max cable dia.: 0.450"
- 155969: Max cable dia.: 0.210"

Part No.	Prod. No.	Slots	Color	1	10	25
155985	2708B	9	Blue	\$11.45	\$10.85	\$10.35
155969	1508	14	Orange	13.45	12.95	11.75

* Test Leads — Enter Web Code BAZ

Minigrabber® Test Clip Patch Cord Kit

- One each of 10 colors: black, brown, red, orange, yellow, green, blue, violet, gray and white
- 24" leads; clips on both ends

Part No.	Prod. No.	Description	1	10
156495	5523	Patch cord (hook)	\$38.95	\$35.95

Pomona

BNC to Minigrabber® Test Clips

- RG 174/U, .100" O.D.
- Rating: 300 V_{RMS} max., +50°C (+122°F) max.
- Strain relief: PVC molded directly to connector
- Length: 36"

Part No.	Product No.	1	10
176954	5187-K-36	\$25.75	\$24.55

BNC to Clip Test Cables



BNC connectors are designed for signal frequencies into the gigahertz range, making them ideal for communications, video & test equipment.

- Micro-clip or mini-clip
- Length: 39"

Part No.	Description	1	10	50	100
11422	Micro-clip RG174	\$3.99	\$3.19	\$2.89	\$2.59
11464	Mini-clip RG174	4.39	3.99	3.59	3.19

BNC to Alligator Clip Test Cable

Permits BNC assembly to be used as a test cable.

- Upper connection: two alligator clips — red 5.5" 22AWG wire; black 9" 22AWG wire
- Lower connection: 23" RG/58U cable with BNC connector

Part No.	Description	1	10	100
11384	BNC cable	\$5.35	\$4.55	\$3.45

BNC Female Connector with 20AWG Lead Wires

Solder the 20AWG wires onto your protoboard, plug the BNC female connector into your test equipment and you have an instant testing board for varied applications.

- BNC female connector
- 7" 20AWG lead wires

Part No.	Cross Ref. No.	1	10	100
256831	CBB-069	\$6.69	\$6.08	\$5.58

PROBE MASTER® Probe Test Leads

- 23K gold tips
- Silicon wire
- 1000V rated
- Length: 3' 3"

174625 Includes: 10 plunger type tips

212222 Includes: 10 pieces; screw-on alligator clips, spade lugs and spring hooks

Part No.	Description	1	10	25
174625	Micro tip test leads	\$35.95	\$34.95	\$32.95
212222	Softie test leads	24.79	23.56	22.41

* Test Clips — Enter Web Code HDR

Protected Banana Style Multimeter Test Probes

- Threaded/pointed test tip
- Black and red
- 2 per package
- 18 AWG wire
- 42" long

Part No.	Description	* Web Code: JAW	1	10	100
77738	Protected probes		\$6.95	\$6.49	\$5.85

* For Complete Specs & Additional Product Listings Search www.jameco.com/More and Enter Web Code Listed Above

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 159.

Pomona

Stackable Banana Test Lead Cables



- 5000V @ 15A • 55°C max.

159899: Two 36" leads, mini clip with banana
• 45VAC @ 5A max.; beryllium copper contact and glass filled insulation

159901: Two 24" leads 159919: Two 36" leads

Part No.	Prod. No.	Description	1	10	25
159899	3782-36	Mini w/ banana	\$10.59	\$9.95	\$9.45
159901	B-24-02	Patch cord	10.65	9.58	8.51
159919	B-36-02	Patch cord	10.65	9.58	8.51

JAMECO
BenchPro

Mini-Clip to Banana Test Cables

- Plunger-type action
- Available in black or red
- Positive connection that won't disconnect from components
- Banana plug connection on opposite end
- 20 AWG insulated wire • Length: 3.5'

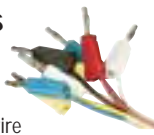


Part No.	Description	1	10	100
21857	Black test cable	\$3.95	\$3.55	\$2.99
21865	Red test cable	3.95	3.49	2.99

JAMECO
BenchPro

Banana-to-Banana Test Leads

- Stackable
- Color coded; 2 each red, yellow, blue, black, white • 9.8" long
- 10 per package • 18 AWG wire

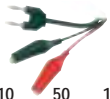


Part No.	Description	1	10	25
77842	Test leads	\$25.95	\$23.95	\$21.95

JAMECO
BenchPro

Double-Banana Plug to Alligator Clips Test Cable

- Red & black rubber boot
- 4" lead wire
- Length: 3'



Part No.	Description	1	10	50	100
107423	Test cable	\$4.75	\$4.19	\$3.54	\$2.99

*Banana Products — Enter Web Code CAT

Pomona

Solderless Banana Plugs



- Nickel-plated
- Set screws secure leads
- ABS insulation
- 5000VDC @ 15A
- Sets include 1 black and 1 red • 50°C max.

159863: w/ safety collar

159855: w/ set screw

159927: double banana plug w/ wire guide

Part No.	Product No.	Description	1	10	25
159863	1825-02	Safety collar	\$3.75	\$3.29	\$2.99
159855	1325-02	Set screw	3.95	3.65	3.35
159927	MDP-02	Double banana	5.29	5.03	4.78

Universal Test Lead Kit

Includes:

- 3' black/red cables,
- 4.5" black/red insulated test probes,
- 0.8" needle probes,
- spade terminals, 2 sets of 4 pieces each: red/black insulated alligator clips and banana plug

Part No.	Description	1	10	100
168516	Universal kit	\$9.25	\$7.85	\$5.89

JAMECO
BenchPro

Mini-Clip Test Leads

These spring loaded mini-clips hook easily to IC pins for testing.

- Set of five: red, blue, green, black and yellow
- 14"L: clips on both ends
- 26 AWG to 300V CSA/UL approved wire



*Web Code: BAZ

Part No.	Description	1	10	100
135299	Mini test leads	\$11.49	\$10.39	\$9.29

JAMECO
BenchPro

Alligator Clip Leads

- 24 AWG wire
- Color-coded, 15" long
- Insulated alligator clip on each end
- 10 per pkg. in assorted colors



*Web Code: MAZ

Part No.	Description	1	10	100
10444	Alligator leads	\$4.55	\$4.09	\$3.69

JAMECO
BenchPro

Standard Banana Style Multimeter Test Probes

- Black and red
- 18 AWG wire
- 2 per package
- 42" long



*Web Code: JAW

Part No.	Description	1	10	100
77746	Std. banana probes	\$7.95	\$7.35	\$6.95

KEYSTONE

Banana Jacks

- Fully insulated
- Chassis mounting
- Size: .937"L x .433"Dia.
- .182" solder tab



Part No.	Product No.	Color	1	10	100
1582170	6091	Red	\$1.05	\$1.02	\$1.00
1582188	6092	Black	1.05	1.01	.90

JAMECO
BenchPro

Panel Mount Tip Jacks 1/4" – 32 Thread

Mounts in panels ranging in thickness from 0.063" to 0.375".

- Plating: bright tin
- Material: brass
- Insulation: polycarbonate
- 10 per package



Part No.	Cross Ref. No.	Color	1	10	100
256779	R1-17-BLK	Black	\$10.29	\$8.76	\$6.58
263864	R1-17-RED	Red	8.59	7.30	5.48

JAMECO
BenchPro

Mini Test Clips

- Two lengths
- Includes: One black and one red hooked probe clip



Part No.	Description	1	10	100
114810	1.75" mini test clips	\$2.19	\$1.72	\$1.56
114818	3.5" mini test clips	2.09	1.78	1.34

JAMECO
BenchPro

BNC to Standard Double Banana Plugs

Permits BNC cables to be used with equipment having banana jacks. Lower connection: BNC; upper connection: double banana plug on .750" centers. Cross holes .166" diameter in body provide side stack-up connections.

Part No.	Description	1	10	100
11440	BNC banana plug (F)	\$5.95	\$5.39	\$4.79
125225	BNC banana plug (M)	7.95	7.25	5.95

JAMECO
BenchPro

Double Banana Plugs

- Dual gold-plated female banana plugs
- Stackable

QUANTITY SAVE

125218

Part No.	Description	1	10	100
125210	Black banana conn.	\$3.35	\$2.95	\$2.80
125218	Red banana conn.	3.95	3.65	2.69

JAMECO
BenchPro

1" Screw-Type Binding Posts

- For both wire and standard banana
- 0.16" hole for banana test leads
- Chassis mount w/ lock washer and nut
- Solder tab hole: 0.06"Dia.
- Size: 1.0"L x 0.5"Dia.



Requires: 0.32" mounting hole
Includes: One red and one black insulated post

Part No.	Description	1	10	100	1000
71240	Binding posts (2)	\$1.09	\$1.05	\$0.90	\$0.74

JAMECO
BenchPro

1 3/4" Screw/Solder Binding Posts

- For both wire & standard banana
- 0.16" hole for banana test leads
- Chassis mounting
- Solder post: 0.06"Dia.
- Size: 1.8"L x 0.5"Dia.



Includes: One red and one black

Part No.	Description	1	10	100	1000
77691	Binding posts (2)	\$1.55	\$1.45	\$1.35	\$1.29

JAMECO
BenchPro

Double Binding Posts – Dual Banana

- Red/black design
- 0.72" between posts
- Size: 1.6"L x 1.4"W • Screw-mount



Part No.	Description	1	10	100
125197	Double bind post	\$5.15	\$4.83	\$4.58

JAMECO
BenchPro

BNC to Double Binding Posts – Dual Banana

- Red/black design

QUANTITY SAVE

125233

Part No.	Description	1	10	100
125233	BNC-female	\$6.45	\$5.95	\$4.55
99355	BNC-male	5.29	4.76	4.28

*Binding Posts — Enter Web Code UAH

JAMECO
BenchPro

Micro Test Clip

- One piece per package



Part No.	Description	1	10	100
153163	1.6" micro test clip	\$2.29	\$1.95	\$1.38

*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 159.

JAMECO BenchPro **1 1/8" Banana Plugs**

- Set-screw connection
- Standard banana spring plug
- Additional 6-32 threaded hole for connection reliability
- Insulating sleeve is threaded to banana plug body
- .1875" lead opening • Size: 1.6"L x 0.4"Dia.

Includes: One red and one black plug

Part No.	Description	1	10	100
72195	Banana plugs	\$1.59	\$1.49	\$1.25

JAMECO BenchPro **2 1/4" Banana Plugs**

- Nine rib spring plug
- Will accept up to 0.1" dia. wire
- Each plug equipped with hole for interconnection
- Insulating sleeve fits snugly over copper post
- Size: 2.3"L x 0.3"W • Set-screw connection

Includes: One red and one black connector

Part No.	Description	1	10	100
137526	Banana plugs	\$2.99	\$2.49	\$1.99

JAMECO BenchPro **Insulated Alligator Clips**

- Color-coded • Insulated barrel
- Jaw opening .375"-0.5"
- Solder strap and pre-drilled hole for 6-32 self threading screw • Size: 2.3"L x 0.5"W

Includes: One red and one black clip

Part No.	Description	1	10	100
70991	Alligator clips	\$0.49	\$0.39	\$0.35

JAMECO BenchPro **Alligator Clips**

248921 256525 248972

248921: 1.2"L x 0.3"W 256525: 1.9"L x 0.2"W

Order in multiples of 2

Part No.	Description	2	4	10
248921	Mini clip solder/crimp	\$0.50	\$0.446	\$0.409
256525	Alligator clip, barrel/screw	.51	.44	.42
248972	Red ins. for 256525	.26	.22	.16

***Web Code for Alligator Clips — MAZ**

Heavy-Duty Tool/Equipment Case

Made of lightweight aluminum, this tool case is designed to take rough field use. Case includes tool pallet, egg carton foam lid, and 2.5" thick pre-cut foam bottom. Ideal for carrying fragile instruments, test equipment, and small hand tools.



• Size: 19.0"L x 14.0"W x 6.0"D

***Web Code: ABR**

Part No.	Description	1	5
261877	Tool/equipment case	\$48.59	\$43.95

How to Test Almost Everything Electronic

TAB Publishing Filled with easy-to-follow instructions on how to troubleshoot all types of electronic systems. Learn the many uses of electronic tools, test equipment and troubleshooting techniques.

• Size: 7.4" x 9.3" • Weight: 1.3 lbs.

Blue Part No. = Limited Quantity Available

Part No.	Description	1	10
126199	How to Test Everything	\$20.75	\$18.85

***For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above**

JAMECO BenchPro **52-Pc. Master Electronics Tool Kit**

Simply every tool needed for field repair or installation. All in a handsome lockable case, with room for spare parts or special equipment.

- Kit includes:
 - 7 pliers
 - Storage box
 - Wrench
 - 3-piece soldering aid kit
 - Soldering iron with stand and sponge
 - 10-piece screwdriver set
 - Desolder wick
 - Brush
 - Crimping tool
 - 6-piece screwdriver set
 - Oil can
 - Desolder pump
 - 5-piece file set
 - Testing screwdriver
 - Alignment tool
 - IC extractor
 - Flashlight
 - 7-piece hex set
 - 3-prong holder
 - 6-piece wrench set
 - Hammer
 - PVC insulated tape
 - Scissors
 - Solder core
 - Part tube
 - Heat sink
 - Utility knife (3 blades)
 - Measuring tape
 - Tweezers
- Carrying case has two removable pallets, adjustable compartments, and combination locks
- Size: 18.0"W x 13.0"D x 4.0"H • Weight: 16.0 lbs.

Part No.	Description	1	5
218245	Master electronic tool kit	\$133.09	\$126.41

JAMECO BenchPro **100-Piece Professional Electronics Tool Kit**

Kit for field technicians and engineers!

- Kit includes:
 - Soldering iron
 - 12 screwdrivers
 - 7-piece hex key set
 - Extractor
 - 4 Pliers
 - Vise
 - Crimper/Stripper
 - 6-piece screwdriver set
 - 3-piece soldering aid kit
 - Desoldering pump
 - Multimeter
 - Tweezers
 - 5-piece file set
 - 10-piece wrench set
 - Voltage tester
 - 2 bottles cleaning liquid
 - Blade cutters
 - Cordless screwdriver kit (bits included)
 - Adjustable wrench
 - Flashlight
 - Brush
 - Soldering stand
 - Solder pen
 - Cutters
 - Storage box
 - Tape
 - Wrist strap
 - Vacuum cleaner
 - Scissors
- Aluminum case features removable pallets, surface-type locks, and black plastic handle
- Size: 18.0"L x 14.0"W x 6.0"H • Weight: 15.5 lbs.

Part No.	Description	1	5
242851	100-piece tool kit	\$229.95	\$179.95

JAMECO BenchPro **11-Piece Lightweight Computer-Service Tool Kit**

- Kit includes:
 - 2 nut drivers: 3/16", 1/4"
 - 3-claw parts holder
 - 1-pc hex key wrench
 - IC extractor
 - 4-pc screwdriver set
 - Tweezers
 - Clear components tube holder

Part No.	Description	1	10	25
167206	11-piece tool kit	\$17.49	\$14.95	\$12.95

JAMECO BenchPro **40-Piece Electronic Tech Tool Kit**

- Kit includes:
 - Wire cutters/ stripper
 - Adapter bit for sockets
 - Pocket clip screwdriver
 - 10-pc screwdriver set
 - T10-T25 reversible Torx screwdriver bits
 - Potentiometer alignment tools
 - 3/16"-1/2" S.A.E. nut driver sockets
 - 6mm-12mm metric nut driver sockets
 - Slotted and Phillips screwdriver bits
 - Extra long 3-claw parts holder
 - IC inserter with pin straightener
 - IC extractor
- Size: 9.5"L x 6.8"W x 1.4"H • Weight: 1.7 lbs.

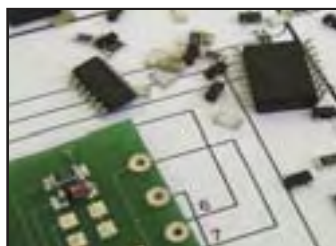
Part No.	Description	1	5	25
119183	40-piece tool kit	\$22.49	\$19.95	\$16.95

JAMECO BenchPro **69-Piece Tech Service Tool Kit**

- Kit includes:
 - Storage box
 - 7 pliers
 - Tweezers
 - Spring hook
 - 3-piece soldering aid kit
 - Desoldering pump
 - 3-piece alignment tool set
 - Diagonal cutter
 - Soldering iron
 - Forceps
 - 9-piece screwdriver set
 - Wire stripper
 - 5-piece file set
 - Flashlight
 - 3-prong holder
 - PVC insulated tape
 - Heat sink
 - Measuring tape
 - 6-piece electronic screwdriver set
 - 40-piece socket & screwdriver set
 - 10-piece electronic wrench set
 - Drill
 - Desoldering wick
 - Brush
 - Crimping tool
 - Extractor
 - 7-piece hex key set
 - Hammer
 - Solder core
 - Wrist strap
 - Inspection Mirror
- Size: 18.5"L x 13.8"W x 6.7"H • Weight: 22.8 lbs.

Part No.	Description	1	5
149024	69-piece tool kit	\$289.99	\$259.99

***Tool Kits — Enter Web Code CAA**



Answering Your Questions

Our Tech Support Department is ready to answer any questions you may have. Stumped on a project?

Give them a call at 1-800-831-4242.

JAMECO BenchPro 51-Piece Tech Tool Kit

- Kit includes:
 - Storage box
 - 4 pliers
 - Tweezers
 - 6-piece electronic screwdriver set
 - 7-piece hex key set
 - Scissors
 - PVC insulated tape
 - 10-piece screwdriver set
 - Utility knife (3 blades)
 - 3-piece soldering aid kit
 - Desoldering pump
 - Soldering iron with stand and sponge
- Case features removable pallets, a combination lock and a cushioned black plastic handle
- Size: 12.5"L x 17.5"W x 3.5"H • Weight: 10.4 lbs.

Part No.	Description	1	5
26681	51-piece tool kit	\$99.95	\$81.95

*Web Code: CAA



R² RapidRench Adjustable Ratcheting Socket Wrench

- Replaces 38 most popular socket sizes
- Fits hundreds of SAE and metric fasteners
- Tighten or loosen with a flip of a switch
- Dial adjusts jaws to the exact size of the fastener
- Jaw capacity: 1/4" to 7/8" (6.35mm to 22.2mm)
- Rubberized comfort grip for extra control



Part No.	Product No.	1	5
1943131	FR28SWMP	\$30.39	\$27.27

*Wrenches — Enter Web Code WEL

RapidSlide Adjustable Wrench

- Slide/control button on handle for fast, easy and accurate jaw adjustment
- SAE/metric adjustment markings on head
- 1" maximum jaw opening allows each tool to work with more fastener sizes
- Wider handle provides more comfort and less stress to the hands



Part No.	Product No.	1	5
1943123	AC8NKWMP	\$19.95	\$18.49

5" Wire Cutter/Strippers

- Insulated handles
- Spring return
- Tempered steel cutting edge
- Size: 5.0"L x 3.0"W
- One-year warranty



Part No.	Cross Ref. No.	1	10	50	100
78992	HT108	\$4.49	\$3.95	\$3.49	\$2.95
215889	JE-2022C	3.95	3.49	2.95	2.59

6" Wire Cutter/Strippers

- Plier nose
- Wire size markings, in AWG and mm
- Size: 6.0"L x 2.0"W



Part No.	Product No.	Description	1	5
161226	ID45-215	Cushioned grips	\$17.95	\$17.25
161234	ID45-216	Cushioned grips	17.95	17.25
161218	ID45-121	Non-cushioned grips	15.95	14.95

*Cutters/Strippers — Enter Web Code BAK

Automatic Wire Stripper

- Spring load grip
- Size: 7.0"L x 2.5"W
- Weight: 0.8 lbs.



Includes: Wire stopper for desired strip length

Part No.	Description	1	10	25
175098	Strips 8-22 AWG	\$16.95	\$15.25	\$13.75

Rotary Coax Cable Strippers

2 and 3 Blade

- 159119 (3 Blade): 2 settings RG58/59/62
- For cable sizes 4-10mm
- Size: 4.2"L x 1.3"W • Color: black



- 159185 (2 Blades): 4 settings RG58/59/62/174
- For cable sizes 4-12mm
- Size: 3.9"L x 0.7"W
- Color: gray



Includes: Hex key wrench for adjusting blade

Part No.	Product No.	1	10	25
159119	HT312B (3 blade)	\$13.95	\$11.95	\$9.95
159185	HT332D (2 blade)	13.95	12.49	11.25

*Wire Strippers — Enter Web Code HAY

Hand Tools for Mini-Fit™ Jr.

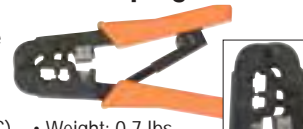


304928: Accepts wire range from 14-24 AWG

Part No.	Product No.	Description	1	5
304928	63811-1000	Crimp tool	\$48.05	\$43.48
304936	11-03-0044	Extraction tool	17.49	15.95

Ratcheted Modular Connector Crimping Tool

- Insulated grip
- Ratcheted type
- Metal • 7.5"L
- Crimps RJ45 (8P8C) and RJ11/12 (6P6C)
- Weight: 0.7 lbs.



Part No.	Description	1	5	25
159312	RJ45/11/12	\$23.95	\$21.95	\$19.95

Ratcheted BNC Crimping Tool

- Crimps RG58, RG59, RG62, RG174 and fiber optic
- Hex sizes: 0.043", 0.068", 0.100", 0.137", 0.213", 0.255"
- All steel construction
- Size: 8.5"L x 2.5"W
- Weight: 1.1 lbs.



Part No.	Product No.	1	5	25
114535	HT-336G	\$25.95	\$23.49	\$20.95

Non-Insulated Terminal D-Sub Crimping Tool

14-26 AWG

- Heavy-duty metal tool with cutter and insulated handles
- For computer pins and sockets, D-sub 26-28 AWG wire
- For butt-insulated connectors, 22-26 AWG wire
- For telephone spade lugs, 22-26 AWG wire
- For non-insulated connectors, 20-22 AWG wire
- For non-insulated connectors, 14-18 AWG wire
- Coiled spring return • Size: 7.3"L x 1.5"W



Part No.	Product No.	1	10	50	100
99443	HT202A	\$9.49	\$8.49	\$7.75	\$6.95

*Crimping Tools — Enter Web Code PAL

Weller® 250-Watt, 3-Setting Industrial Heat Gun

- 750°F to 800°F hot air at nozzle; 3-position switch: hot-off-cool
- Designed for assembly and repair applications such as shrink tubing and vinyl, epoxy curing/drying/cooling
- 120VAC @ 60Hz • ESD safe
- Long-life heater and fan components
- 3-wire grounded plug; 6' cord



Part No.	Product No.	Wt. (lbs.)	1	5
191943	6966C	1.2	\$137.95	\$124.83

*Heat Guns — Enter Web Code QAJ

JAMECO BenchPro 1000-Watt Heat Gun

- Input voltage: 110-120VAC
- Dual heat setting: 600°F/1100°F
- Works with spot dry paints, plaster, spackle, and cure adhesives
- Use with heat-shrink material
- Thaw pipes, frozen locks, and loosen rusted bolts



Part No.	Description	1	6	12
254925	Heat gun	\$44.69	\$43.16	\$38.69

JAMECO BenchPro Heat Gun/Stripper

Dual-Setting 1500-Watt

- Use with heat shrink material
- Works with spot-dry paint, plaster, spackle cure adhesives
- Will remove adhesive-applied tiles and linoleum without chipping
- Dual heat setting: 600°F/1100°F
- Thaw frozen pipes and locks, and loosen rusted bolts
- UL listed • Weight: 1.8 lbs. • Size: 9.3"L x 7.0"W
- For heat shrink attachment (P/N 217816, see web)



Part No.	Description	1	10	25
76865	Heat gun	\$41.45	\$36.22	\$32.49

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RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 159.

D-Sub Crimping Tool

20-28 AWG

- Crimps D-sub pins and sockets
- For use w/ P/Ns 43377, 43369 & 100766, pg 62
- Size: 7.0"L x 4.0"W

*Web Code: PAL



Part No.	Product No.	1	10	50
159266	HT213	\$12.95	\$10.95	\$9.49

Xcelite Needle Nose Pliers

217891 (submini needle nose): Serrated jaws

- Positive gripping of fine wire or subminiature components
- Fine point allows use in confined areas

217998: Smooth jaws

- General purpose for pick-up and wire forming



Part No.	Prod. No.	Description	1	10
217891	L4	4" mini needle nose ...	\$14.95	\$13.69
217998	LN54G	5" thin long nose ...	15.49	14.49

Half-Round Long Nose Pliers

- Drop forged steel
- Heat treated
- Spring return action
- Length: 4.5"
- Vinyl grips
- Knurled jaws



Part No.	Description	1	10	50	100
177608	Half-round pliers	\$4.95	\$4.49	\$3.95	\$3.59

5.3" Flat Long Nose Pliers

- Stainless steel
- Durable rubber handles
- 5.3" length w/ 1.4" plier nose
- Smooth jaws
- Spring return



Part No.	Description	1	10	50	100
195531	Flat long nose	\$5.75	\$5.10	\$4.02	\$2.93

Precision 5-Piece Stainless Steel Pliers Set



- Spring return
- Insulated handles

Includes:

One 3.5"L micro cutting nippers and one each 4"L micro round nose pliers, long nose pliers, flat nose pliers and bent nose pliers

Part No.	Description	Wt. (lbs.)	1	10	25
73121	5-piece set	0.6	\$18.49	\$16.75	\$14.99

*All Pliers — Enter Web Code TBJ

Diagonal Wire Cutters

- Jaws are designed for flush cutting
- Cuts component wire up to 1.2mm thick
- 0.5" cutting blade

35482: 4.3"L x 2.1"W

- Durable rubber handles

161411: 5.0"L x 1.8"W

- Stainless steel
- Also cuts 0.08mm fine wire
- Insulated handles



Part No.	Description	1	10	50
35482	4.3" cutter	\$7.35	\$6.60	\$6.02
161411	5.0" cutter	7.49	6.74	6.07

*Web Code: HAF

Crimping/Cut/Strip Tool

For RJ11 (6P) and RJ45 (8P) Modular Plugs

- Repeatable crimp action for consistent high quality connections
- Push-down locking mechanism
- Size: 8.0"L x 2.0"W



• Weight: 0.8 lbs.

Includes: Cut and strip blade

Part No.	Product No.	1	10
174684	TTK071	\$26.95	\$24.26

NEW MARKED IN PINK

"F" Connector Compression Tool

Compresses RG-6 and RG-59 Snap-N-Seal type connectors.

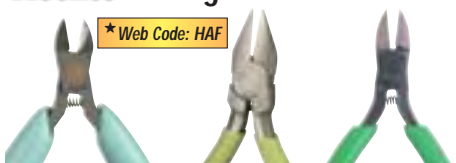
- Length: 5"



Part No.	Product No.	1	5
261753	Compression tool	\$30.85	\$29.30

NEW MARKED IN PINK

Xcelite Diagonal Cutters



*Web Code: HAF

Manufactured from the finest forged alloy steel with polished head and cushion comfort handles.

- Flush cutting edge
- Cutting edges machine ground and electronically hardened for extended life
- Forged alloy steel w/ polished head
- Handle coil springs for fast cutting action
- ESD safe cushion grips for max. comfort

Part No.	Product No.	Description	1	5
217921	MS54J	4" oval head-flush	\$16.25	\$15.49
1536974	S475NJS	4" relieved head-flush	15.49	14.89
217904	MS549J	4" tapered head-flush	15.75	14.95
217867	MS545J	4" slim line tapered head-flush	15.25	14.49

Xcelite Cutters and Pliers



- Spring returns

146712: Micro series wire cutter — flush: 6"

146739: Diag. wire cutter — semi-flush: 4"

146721: Long needle nose pliers — flat: 5"

Part No.	Product No.	1	5	25
146712	170M	\$5.89	\$5.49	\$5.15
146739	MS54V	16.75	15.95	15.25
146721	MN7776V	20.55	19.55	18.57

Xcelite Shearcutter/Pliers Set

- Improved handle grip for control and comfort
- Non-glare black finish carbon steel
- Size (plier): 5.6"L
- Size (shearcutter): 5.2"L



Part No.	Product No.	1	5	50
152055	S2K	\$17.95	\$16.95	\$15.95

Mini-Drill and Stand

This Mini Drill is excellent for drilling through circuit boards and protoboards. The drill comes with an array of drilling, grinding and sanding attachments. Drill stand is designed to function like a drill press.



Part No.	Description	Wt. (lbs.)	1	5	25
26702	GTT-103A drill	0.8	\$34.95	\$31.95	\$29.49
26711	GTT-104 stand	1.8	25.95	23.95	21.95

PC Board Drill Bits

- Shaft diameter: .125"
- Use for drilling holes in glass PC boards



Part No.	Mfr. No.	Size	Dia.	1	10	100
1919537	1/8	1/8	.125"	\$1.49	\$1.25	\$.99
1919588	31	31	.120"	1.49	1.25	.99
1919300	32	32	.116"	1.49	1.25	.99
1919609	33	33	.113"	1.49	1.25	.99
1919553	35	35	.110"	1.49	1.25	.99
1919570	38	38	.102"	1.49	1.25	.99
1919502	45	45	.082"	1.49	1.25	.99
1919596	46	46	.081"	1.49	1.25	.99
1919561	48	48	.076"	1.49	1.25	.99
16580	59	59	.040"	1.75	1.49	.99
16619	75	75	.021"	1.75	1.49	.99

9-Piece Drill Bit Kit

- Variety of sizes: .014" to .126"
- Shank diameter: .125"
- Each kit will vary in contents of bit sizes



Part No.	Description	1	10	50
131676	9-piece drill bit kit	\$9.95	\$8.95	\$7.95

*Drill Bits — Enter Web Code NEJ

32-Piece Security Bit Set

These bits match the security fasteners commonly used in today's electronic products.

Includes: Torx bits: #6, #8 and #10; Tri-wing bits: #1, #2, #3 and #4; Security hex bits: 5/64", 3/32", 7/64", 1/8", 9/64", 5/32", 3/16" and 1/4"; Security Torx bits: T8, T10, T15, T20, T25, T27, T30, T35 and T40; Spanner bits: 4, 6, 8 and 10mm; Phillips bits: #1, #2, #3 and #4; and 60mm magnetic bit extension that fits 1/4" hex driver



Part No.	Description	1	10
223829	32-piece security bit set	\$12.99	\$11.99

Pocket Screwdriver

Phillips & Flat head

- Size: 6"L
- Pen clip for pocket storage



*Web Code: CAQ

Part No.	Description	1	10	100
127271	Pocket screwdriver	\$1.89	\$1.27	\$1.20

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RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 159.

6-Pc Precision Screwdriver Sets

34041 includes: 3/64", 1/16", 5/64", 5/32", 1/8" & 9/64" slotted screwdrivers

34059 includes: 3/64"#0, 1/16"#0, 5/64"#0, 3/32"#0, 1/8"#1 and 9/64"#1 Phillips screwdrivers

Part No.	Description	1	10	50
34041	Slotted set	\$3.59	\$3.05	\$2.29
34059	Phillips set	3.59	3.06	2.30

6-Pc Precision Torx Screwdriver Set

- T5 and T6 x 50mm Torx screwdrivers
- T7, T8, T9, T10 x 50mm Torx hex screwdrivers

Part No.	Description	1	5
226106	Precision TORX screwdriver	\$14.95	\$12.95

6-Pc Long-Neck Screwdriver Set

- Three slotted: 0.09"Dia. x 6.6"L; 0.12"Dia. x 6.6"L; 0.16"Dia. x 9.6"L
- Three Phillips: No.0, 0.12"Dia. x 6.64"L; No.1, 0.16"Dia. x 9.61"L; No.2, 0.09"Dia. x 6.65"L

Part No.	Description	1	10	50
99451	6-pc. screwdriver set	\$9.55	\$8.95	\$8.45

7-Pc Insulated Screwdriver Set

- Tapered handle for sure grip
- Precision ground shank
- Hardened, magnetic tips

Includes: 0.4/0.8/1.0/1.2mm slotted; #0/1/2 Phillips

Part No.	Description	1	5
261999	Screwdriver set	\$18.69	\$17.74

***Screwdrivers — Enter Web Code CAQ**

T-Handle Reamer Tool

Excellent for aluminum chassis work

- For enlarging starter holes on panel mount components from 1/8" to 1/2" diameter
- T-handle for easy rotation of tool
- Handle: 3.3" long, tool: 5.3" long

Part No.	Description	1	10	25
151750	T-handle reamer	\$7.99	\$7.49	\$6.99

Deluxe Precision Knife Set

- Three different knife handles – fine work, medium and heavy duty power grip
- Size: 6.3"L x 2.8"W x 1.4"H

Includes: 13 types of blades

Part No.	Description	1	10	25
72768	13 blade knife set	\$10.95	\$10.25	\$9.75

5" Steel Hemostats

- Grade 410 A.I.S.I. stainless steel
- Three locking positions

Part No.	Cross Ref. No.	Description	1	10	50
115107	HEM01	Straight	\$3.75	\$3.49	\$3.15
115115	HEM02	Curved	4.25	3.95	3.55

Impact Punch-Down Tools

- Reversible clip-in blade
- Adjustable (HI-LO) spring-loaded impact mechanism
- Storage bin on handle for spare blade

175071: Tool with blade

- For 66-type terminals
- Size: 5.2"L x 1.5"W x 1.0"H

324014: Tool with blade

- For 110-type terminals
- Size: 5.8"L x 1.7"W x 1.2"H

175089: Punch-down blade 110-type terminals

Part No.	Description	1	10
175071	Tool with 66 blade	\$37.29	\$27.96
324014	Tool with 110 blade	54.39	51.66
175089	Punch-down blade 110	14.95	13.49

***Web Code: PBC**

Strip-Wrap-Unwrap Tools

- Tool tip made of tempered steel
- Spring steel cutter
- Use with 30 AWG wire on .025" square posts
- No solder necessary, see pg 43 for wire
- Wrap 1 to 2 turns of insulated portion of wire for secure connections • 4.5" long

Part No.	Cross Ref. No.	1	10	25
34585	HSM30 (Modified)	\$59.49	\$53.54	\$47.58
236785	HSR30 (Regular)	30.55	25.97	19.48

***Web Code: BBC**

Metal Dial Calipers

Choose Metric or Inches

- For accurate measurements every time
- Measures outside, inside and depth
- Easy-to-read dial gauge
- Length: 6" (150mm)
- Materials: metal • Color: silver

Includes: Fitted plastic storage case

Part No.	Description (min. reading)	1	10	25
116134	Metric (.02 mm)	\$32.65	\$29.39	\$26.44
116126	Inches (.001 inch)	30.95	25.45	19.95
684449	Metric/Inches	49.95	44.53	33.39

Digital Display Caliper

Metric and Inches

- Hardened stainless steel
- Display: inches to 0.001; mm to 0.01
- Instructions for making internal, external, depth & step measurements • One-year warranty
- Calipers measure to 6 inches/150mm

Includes: Fitted case and 1.5V silver oxide battery (replacement battery, P/N 140783, pg 121)

Part No.	Description	1	10	25
127482	Digital disp. caliper	\$69.25	\$66.28	\$64.62

***Calipers — Enter Web Code PAQ**

PLCC and DIP IC Extractors

***Web Code: MAB**

- Size: 4.0"L x 2.0"W

Part No.	Product No.	Description	1	10	100
16766	HT103B	PLCC	\$3.95	\$3.55	\$3.19
16838	HT103A	DIP	1.65	1.49	1.25

4-Piece Conductive SMD Tweezer Set

- 4 types of tweezers: fine point, flat head for 4mm SMD chip device, flat head for 8mm SMD chip device, sharp angled tip • Each is 4.5" long

Part No.	Description	1	10	25
172638	4-piece tweezer set	\$12.95	\$10.95	\$9.95

4-Piece Steel Tweezer Set

- 4 styles of stainless steel tweezers, one self-locking
- Ideal for picking up small components in hard-to-reach places

Part No.	Description	1	10	50
10735	4-piece tweezer set	\$7.95	\$6.95	\$5.95

***Tweezer Sets — Enter Web Code FAA**

IC Pin Straightener

Straighten bent pins safely and easily with Jameco's IC pin straightener.

- Straightens 8/14/16/18/20/24/28/40/42-pin ICs
- Materials: black plastic • Size: 3.3"L x 1.5"W x 0.4"H

Includes: Ground terminal

Part No.	Description	1	10	100
99363	IC straightener	\$7.69	\$6.99	\$6.25

Conductive Anti-Static Foam and Bags

Don't get zapped!

Protect your investment w/ these inexpensive bags and ensure a safe work area with our conductive anti-static foam.

13864: 24.0"L x 12.0"W x 0.25"H

Part No.	Description	1	5
13864	Anti-static foam	\$9.75	\$8.77
78650	8" x 10" anti-static bags	.75	.69

Protective Coiled Grounding Wrist Strap

- Comfortable, adjustable Velcro wrist strap
- The coiled cord has banana plug and alligator clips
- Extended cord: 9' long • Color: black

Includes: 1MΩ resistor for added safety

Part No.	Description	1	10	100
34552	Anti-static strap	\$6.49	\$5.85	\$5.29

***Anti-Static — Enter Web Code XAA**

3X Magnifier with Adjustable Stand

- Heavy duty steel base
- Size: 15"L (full stand) x 4"Dia. (base)

Blue Part No. = Limited Quantity Available

Part No.	Description	Wt. (lbs.)	1	10
148881	Magnifier	2.5	\$13.95	\$12.59

***Web Code: DAW**

***For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above**

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 159.

3X Magnifying Lamps

- 45" extension arm
- Supplied w/ 22-watt circuline tube
- Extra strong, all-metal mounting base with electrical outlet
- New wire clip design permits easy installation
- Metal bulb holder for extra protection
- 3-diopter lens
- Power requirement: 110VAC/60Hz • Weight: 7.3 lbs.

Part No.	Description	1	10	25
100829	Black lamp	\$59.95	\$53.95	\$49.95
149981	White lamp	63.69	60.47	57.44

Standard Adjustable 3X Magnifying Lamp

- 4" Diameter lens
- Maneuverable 30" arm extension
- Lamp tilts & turns in any direction
- Uses 60W incandescent bulb (not included)
- Power requirement: 110VAC/60Hz
- 3-diopter lens • Weight: 2.9 lbs.

Part No.	Description	1	10	25
22710	Magnifying lamp	\$29.15	\$27.71	\$26.28

3X, 3-Bulb Magnifying Lamp

- Three 9-watt compact fluorescent bulbs located to the side and top of the lens provide superior lighting to your workspace or job at hand. The integral spring-balance arm reduces the chance of pinched hands from springs, and provides a sleek clean look.
- Adjustable rectangular 3-diopter lens
 - 47" long arm • 2 on/off buttons
 - Color: beige • UL listed • Weight: 8.15 lbs.

Part No.	Description	1	10	25
217517	Adj. magnifying lamp	\$84.95	\$79.95	\$74.95

Precision 5 Diopter Magnifying Lamp

- The arm extends to 40", is adjustable to any direction or angle, and has a 5 diopter. This is the perfect tool to help identify small electronic components and magnify a printed circuit board to help solder electronic components.
- 5" diameter lens • Weight: 7.1 lbs.
 - Power requirement: 110VAC/60Hz

- Includes:** 22W circuline fluorescent bulb

Part No.	Description	1	10	25
197456	Magnifying lamp	\$114.95	\$98.95	\$88.95

*Magnifying Lamps — Enter Web Code DAW

Weller® Soldering Tips

Replacement Tips for WES51 & WESD51

- Tip leakage: less than 2mV
- Tip to ground resistance: less than 2Ω
- Additional tips can be special ordered

*Web Code: NAB

Part No.	Prod. No.	Description	1	10
16774	16782	16803	16811	
16774	ETA	Screwdriver 1/16"	6.95	\$6.25
16782	ETJ	Long screwdriver 1/32"	6.95	6.25
16803	ETR	Narrow screwdriver 1/16"	5.95	5.65
16811	ETS	Long conical 1/64"	6.95	6.39

Weller® 40-Watt Soldering Station

- Lighted on/off switch
- Adjustable power from 5 watts to 40 watts
- 120V @ 60Hz
- Temp. is electronically controlled from 350° to 850°F
- Size: 5.5"L x 4.5"W x 3.5"H • Weight: 1.9 lbs.
- Includes: ST3 1/8" screwdriver tip and manual

Part No.	Product No.	1	10
146595	WLC100	\$51.79	\$49.59

Weller® Soldering Tips

Replacement Tips for WLC100, WP25 & WP23

Part No.	Prod. No.	Description	1	10
146608	146616	146624		
146608	ST1	Screwdriver tip 1/16" ...	\$5.45	\$4.86
146616	ST3	Screwdriver tip 1/8"	5.99	5.07
192145	ST6	Screwdriver tip .031"	5.99	5.07
146624	ST7	Conical tip 1/32"	4.99	4.26

Weller® 42-Watt Controlled-Output Soldering Station

- Complete with macro style, low voltage, temp. controlled soldering iron
 - Closed loop method of controlling maximum tip temperature for protection of temperature sensitive components
 - 120VAC @ 60Hz input
 - Power unit housing features impact resistant plastic for durability
 - Quick disconnect plug for soldering iron and lighted on/off switch
 - Separate conductor grounds iron tip and terminates third pin of power cord • Uses PT series tips
 - Size: 5.9"L x 4.5"W x 3.6"H • Weight: 4.0 lbs.
- Includes:** Soldering iron and PTA7 tip (below)
- Tips all .062"

Part No.	Prod. No.	Description	1	10
170552	WTCP	Solder station	\$142.15	\$137.40
192161	TC201T	Replac. iron	74.65	71.95
192170	PTA6	Screwdriver tip 600°F ...	5.75	4.31
192188	PTA7	Screwdriver tip 700°F ...	5.99	5.47
192196	PTA8	Screwdriver tip 800°F ...	5.69	5.15

*Soldering/Desoldering Stations — Enter Web Code GEJ

We're Listening to What You Need

Our goal is to provide you with more of what you want. Let us know how we can better serve your electronic needs. Send feedback to Feedback@Jameco.com.

50-Watt Analog & Digital Display Soldering Stations

Innovative heater and sensor combination for quick heat-up and rapid temperature recovery.

- Tip temperature offset capability allows user to reset temperature readings to match tip size and style
 - Wireless temp. lockout
 - Auto power-down after 90 minutes of inactivity
 - Temperature range: 350°F to 850°F
 - Temp. accuracy: ±9.0°F • ESD safe
 - Size: 5.9"L x 4.5"W x 3.6"H • Weight: 4.0 lbs.
- Includes:** PES51 50W soldering iron with ETA tip, PH50 stand and sponge, and adjustment tool

Part No.	Product No.	Description	1	10
217461	WES51	Analog	\$125.39	\$121.95
233533	WESD51	Digital	159.95	155.95

16 to 30-Watt Variable Soldering Iron & Stand

- 116572: Length: 7.5"
36329:
- Black anodized steel base — 5.3"L x 3.3"W
 - See below for replacement sponge (P/N 134631)
 - Fits most soldering irons .85" diameter
- Includes:** Sponge

Part No.	Description	1	10	100
116572	258VL soldering iron	\$22.55	\$17.92	\$17.02
36329	Soldering stand	4.95	4.46	4.01
134631	Sponge (for P/N 36329)	2.99	2.69	2.49

Thermally Balanced 25-Watt Soldering Iron

The XY200GX is a thermally balanced soldering iron for the professional or hobbyist.

- 120VAC; 6' cord • 25-watt power consumption
- Interchangeable tips (pg 148) • UL listed
- Length: 8.0" • One-year warranty

- Includes:** 1.6mm conical tip

Part No.	Product No.	1	10	25
129040	200GX-25W	\$13.69	\$11.87	\$11.82

Weller® High-Quality 25-Watt & 35-Watt Soldering Irons

- Interchangeable heater elements
 - Lightweight handle with cushioned grip
 - Quick change knurled collar
 - Length: 9"
 - 120VAC @ 60Hz
- Includes:** Power cord & ST3 tip (pg 145)

Part No.	Product No.	Description	1	10
170587	WP25	25W solder iron ...	\$36.99	\$35.65
192102	WP35	35W solder iron ...	46.19	44.65
192153	PH25	Solder iron stand ...	21.59	20.67

*Soldering Irons — Enter Web Code QAS

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RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 159.

35-Watt Soldering Iron

- UL approved
- Ideal for maintenance and hobby use
- 0.157" removable tip
- Length: 8.1" • 110-120VAC



Part No.	Description	1	10	100
208987	35W soldering iron	\$3.49	\$3.04	\$2.77
209075	Solder roll, 8mm (.031")	20.95	18.85	17.79

Weller® Cordless Soldering Iron Kit

- Self igniting and instant heat
- Adjustable temperature (25W to 125W)
- Auto switch off
- Visible gas level
- Additional tips can be special ordered
- 2 hours of heat on average tank setting



Includes: Soldering tool, hot blower tip, hot knife tip, 2.4mm and 4.8mm double flat tip, cleaning sponge, storage case and instruction manual

Part No.	Product No.	Description	1	5
152207	PSI-100K	Tool kit	\$85.75	\$82.75

Weller® Pro Cordless Coldheat Soldering Iron

Using the patented Coldheat™ system, the Weller Pro Cordless melts solder instantly and is cool to the touch in just seconds. The Weller Pro has the power industrial professionals need to tin wire as large as 12AWG or join wires from 18-25AWG, with an average yield of 700 solder joints per 5 AA alkaline batteries.

- Polycarbonate body
- High/low/off power switch
- Bright white LED light
- Red "in use" indicator light
- Includes carrying case and CHT3 61° angle chisel tip

Requires: 5 AA alkaline batteries

Part No.	Product No.	Description	1	5
684705	CHT100	Cordless soldering iron	\$43.39	\$39.86

WAHL® Cordless Soldering Iron

The #1 choice for field service soldering!

IsoTip® Power Pro Model #7904

- 900°F tip temperature
- LED indicator light
- Solders 200+ joints or up to 30 minutes of continuous soldering
- Iron performance equivalent to 25-watt iron
- Weight: 1.1 lbs.

Includes: Soldering iron, recharging stand, NiCd battery pack, and tips

Part No.	Description	1	10
132783	Power Pro cordless iron	\$67.29	\$65.79

Velleman Butane Powered Cordless Soldering Iron

- Built-in on-off switch
- Length: 8.5"
- Can be used as a torch or hot blower
- Maximum temperature: 450°C (842°F)
- Average use of 40 minutes on a full load



Part No.	Product No.	Description	1	10
645520	GASIRON2	Soldering iron	\$36.35	\$32.05

*Soldering Irons — Enter Web Code QAS

Weller® 8/11-Watt Battery Powered Soldering Iron

- Heats to working temperature in less than 15 seconds
- White LED light illuminates working surface
- Dual heat settings: 8-watts on low setting (850°F) or 11-watts on high setting (950°F)
- Co-molded grip for comfort grip and protective safety cap turns off power when placed on tool
- Over 150 intermittent solder joints with fresh batteries



Includes: Iron, tip, 4 "AA" batteries, lead free solder, and tip/wrench stand

Part No.	Product No.	1	5
1943060	BP860MP	\$22.75	\$21.49

Magna-Lite Butane Table-Top Torch

- Waterproof piezo ignition
- Adjustable flame control
- Child-resistant ignition for safety
- Refills in 20 seconds with standard butane gas
- Flame temperature: 2500°F (1300°C)
- Run time: 60 minutes @ middle flame
- Uses: brazing, soldering, heat shrink tubing, industrial maintenance



Part No.	Product No.	1	5
1943001	ML200	\$27.49	\$26.49

SMD Tweezer Iron

- Maximum efficiency ceramic heating elements insures rapid heat-up and instant heat recovery
- Max. temp.: 760°F • 120VAC
- Heater insulation exceeds 100MΩ
- Heater power consumption: 35W ea.



Includes: 0.095" tip

Part No.	Description	1	10	25
168410	Tweezer iron	\$59.95	\$53.95	\$48.95
168583	Tip .078"	11.95	10.79	9.69
168591	Tip .590"	13.45	12.95	11.95

Weller® Digital Soldering Stations

- New WP80 soldering pencil offers 80 watts of power with short tip-to-grip (52mm)
- 80W of power
- Barrel can be exchanged with optional longer version to work at standard length (65mm)
- Unique silver heater allows fast, efficient soldering
- Uses WP80 soldering pencil and WDH10 soldering stand
- Size: 15.4"L x 10.2"W x 5.2"H
- Weight: 8.2 lbs.

*Web Code: GEJ



- Includes LTB tip
- Weight: 8.2 lbs.

- 684781: Extensive special functions menu allows you to use setback, lockout, standby, auto-off time and more
- Heating element is contained in pencil rather than tip
- Micro pencil with short tip-to-grip (37mm) puts you close to the work
- Iron stand has adjustable tilt angle in 4 positions ranging from 30° to 80°
- Includes NT1 tip
- Uses WMP soldering pencil and WDH20 iron stand
- Size: 15.9"L x 10.9"W x 5.8"H
- Weight: 7.5 lbs.

Part No.	Product No.	Description	1	5
684772	WD1002	80W	\$293.05	\$284.67
684781	WD1001	85W	293.05	284.67

SMD Rework Station

- Long-life ceramic heating element
- High-performance, inexpensive, versatile
- Adjustable temp.: 250-450°C (482-842°F)
- Rapid heat-up and recovery
- Thermocouple sensor for stable temperature
- Size: 7.4"L x 5.0"W x 3.3"H
- 40W station, 25W ceramic element
- Weight: 2.6 lbs



Includes: Base power unit, sponge, stand, surface mount tweezer iron, and stand for tweezers

Part No.	Description	1	10	25
224629	Rework station	\$89.95	\$79.95	\$72.95
168583	.078" tip	11.95	10.79	9.69
168591	.590" tip	13.45	12.95	11.95

Electric & Manual Desolder Pumps

- Easily disassembled for cleaning
- Replacement tips available
- 19255: • UL listed
- One-hand operation
- Size: 10.5"L x 1.0"Dia.
- 19166: Size: 7.8"L x 0.8"Dia.



*Web Code: GAS

Part No.	Description	1	10
19255	Electric desolder pump	\$28.95	\$23.95
19166	Manual desolder pump	4.95	4.49
19262	1 tip for 19255	4.95	3.71
22091	2 tips for 19166	4.49	3.95
307782	1 tip for DP100	3.89	3.69

Magna-Lite Butane Soldering Pencil

- Piezo electronic ignition system
- Adjustable gas flow valve controls temperature range
- Temperature range: 750°F to 900°F
- Up to 30 minutes continuous use on medium setting
- Window allows you to see gas level
- Base for hands free operation and safety cap for secure storage
- Can be used as a torch when tip is removed



Includes: 1.6mm conical tip

Part No.	Product No.	1	5
1943051	ML500MP	\$16.75	\$15.95

70-Watt Soldering Stations

- Input: 110-120VAC @ 60Hz
- Nichrome heating element on soldering iron
- Temp. range: 200°C to 450°C (329°F to 842°F)
- Soldering iron assembly w/ nichrome heating element & K-type thermocouple sensor
- Adjustable knob for temperature setting
- Size: 8"L x 5.2"W x 3.8"H
- Weight: 5.3 lbs.
- Includes: soldering station, soldering stand with cleaning pad, soldering iron, manual



- 1950711 Analog: LED to indicate power (green), heater on (red)
- Temp. acc.: ±3°C
- Uses model 209 soldering iron
- 1950729 Digital: 0.560" (3-digit) LED display and red LED for heater on indicator
- Temp. accuracy: ±1°C
- Uses model 209ESD soldering iron
- ESD safe

Part No.	Product No.	Description	Price
1950711	Super 169	Analog	\$120.00
1950729	Super power 169D	Digital	109.00

*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 159.

80-Watt Desoldering Station

- Input voltage: 100 – 120VAC @ 60Hz
- Heater: 32V, 80W
- Large digital temperature display
- Tip temperature accurate to $\pm 3^{\circ}\text{C}$ (6°F)
- Zero voltage switching & fully grounded design makes this unit safe on electro-sensitive devices
- Adjustable temperature w/o changing tips
- Suction controlled by a finger actuator thyristor located on the desoldering handle
- Self contained diaphragm vacuum pump engineered to provide continuous, maintenance free operation
- Temperature range: 300°C to 450°C (572°F to 842°F)
- Size: 7.9"W x 9.3"D x 4.5"H



Includes: DIA80 desoldering iron, 2 soldering stands, foam filters, & cleaning brush

Part No.	Product No.	Description	1	10
1919094	LF-6000	Desoldering	\$349.29	\$331.74

***Soldering/Desoldering Stations — Enter Web Code GEJ**

Greater Savings Online

Find a large selection of price saving generic brands, house brands and factory overruns.

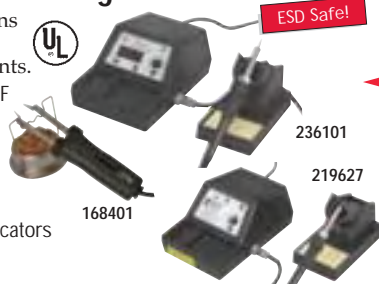
60-Watt Soldering Stations

Designed for soldering situations where precise temperature is required for sensitive components.

- Temperature is maintained at $\pm 6^{\circ}\text{F}$
- Electronic temperature control from 392° to 878°F
- External calibration port
- CMOS devices protected against voltage spikes
- Power-on and heater-on LED indicators
- Size: 5.1"W x 8.0"D x 4.0"H
- Weight: 4.8 lbs.

Includes: One 1/16" tip (P/N 35115 – below)

Part No.	Product No.	Description	1	10	25
236101	XY9-60D/ESD	Digital soldering station – ESD safe	\$119.95	\$99.95	\$89.95
219627	XY9-60A	Analog soldering station	117.35	114.35	112.11
168401	TWZ50ESD	SMD tweezer iron w/ 0.078" tip	74.95	67.46	60.71
168583	46-060102	Tip .078" for P/N 168401	11.95	10.79	9.69
168591	46-060115	Tip .590" for P/N 168401	13.45	12.95	11.95
236460	78-744615	Replacement sponge for both stations	3.59	3.23	2.99



45-Watt Analog Display Soldering Station

Grounded Soldering Tip

- 500°F to 850°F • Fully grounded
- Insulated ceramic heating element for rapid heat-up and heat recovery
- Heater insulation exceeds 100M Ω
- Zero voltage circuitry eliminating high voltage spike and magnetic field generation
- Size: 7.0"L x 4.5"W x 3.5"H • Weight: 2.5 lbs.

Includes: Manual, soldering iron w/ 1/32" tip, stand, tip cleaner and sponge

Part No.	Product No.	Description	1	10	25
229673	XYT379-C	45-Watt soldering station	\$59.95	\$54.95	\$49.95
156814	XYB01	Sharp conical chisel 1/32" tip	6.39	5.59	5.22
134631	SP715	Replacement sponge	2.99	2.69	2.49



90-Watt Analog Soldering/Desoldering Station

- Input voltage: 100 – 120VAC @ 60Hz
- Soldering iron : 32VAC output, 90 watt, 200°C to 480°C (400°F to 900°F) temperature range with 1.6mm/1/16" tip
- Desoldering iron (DIA80): 32VAC output, 80 watt, 300°C to 450°C (570°F to 850°F) temperature range, with 1.2mm/0.048" tip • Temp. stability: $\pm 3^{\circ}\text{C}$ (6°F)
- Zero voltage switching and full grounded design
- Adjustable temperature w/o changing tips
- Pump controlled by a finger actuated thyristor on desoldering iron • Automatic power down after 15 minutes of idle as indicated by pause LED
- Self-contained vacuum pump engineered to provide continuous, maintenance free operation
- Dials for temperature settings on both soldering and desoldering iron
- Analog readout for vacuum pressure
- Size: 10.8"W x 12.5"D x 4.1"H



Includes: 104A/105A soldering stands, A-2000-1 soldering stand, DIA80 desoldering iron with #44-915412 tip, 210ESD soldering iron with #44-415404 tip, 5pc. 5" high precision tweezers, AX205 5" micro cutting pliers, steel brush/cotton/foam replacement filters, power cable, and instruction manual

Part No.	Product No.	Description	1	5
1919107	LF-7000	Solder/desolder	\$442.35	\$420.20

100-Watt High-Powered Desoldering & Soldering Station

- Input voltage: 100 – 120VAC @ 60Hz
- Soldering iron (heater output, power & temperature range): 32VAC, 100W, 200°C to 450°C (400°F to 850°F)
- Desoldering iron (heater output, power, & temperature range): 32VAC, 80W, 300°C to 450°C (570°F to 850°F)
- Temperature stability: $\pm 3^{\circ}\text{C}$ (6°F)
- Zero voltage switching & fully grounded design
- Adjustable temperature w/o changing tips
- Pump controlled by a finger actuated thyristor on desoldering iron
- Auto power down after 15 minutes of idle
- Detachable soldering iron and desoldering wand
- Self contained vacuum pump engineered to provide continuous, maintenance free operation
- Digital readout for temperature
- Analog readout for vacuum pressure
- Size: 10.8"W x 12.5"D x 6.1"H



Includes: 104A/105A soldering stands, DIA80 desoldering iron, 210ESD soldering iron, steel brush, foam filters, power cord, diagonal wire cutters, 5 high precision tweezers and instruction manual

Part No.	Product No.	Description	1	5
1919115	LF-8000	Solder/desolder	\$488.89	\$464.44



60-Watt Desoldering & Soldering Station

Special 5% Bundle Savings

Complete ISO 9000 digital station –

P/N 236101 & 125508

Sold separately \$409.90

Combined: P/N 207263 **\$388.95**



- Simple fine tune feature to select within 300–850°F range
- Vacuum pump activated "on demand" using finger tip switch on desolder handle
- CMOS devices protected against voltage spikes
- Size: 9.2"L x 7.2"W x 3.6"H • Weight: 13.1 lbs.

Includes: XYD12 tip and solder holder

207271 For use w/ models 136, 136ESD, 137ESD & 988

Blue Part No. = Limited Quantity Available

Part No.	Product No.	Description	1	10	25
125508	968	Desoldering station	\$299.95	\$269.99	\$242.99
207271	TWZ60ESD	SMD tweezer iron with .078" tip	69.95	62.95	56.95
168583	46-060102	Tip .078" for P/N 207271	11.95	10.79	9.69
168591	46-060115	Tip .590" for P/N 207271	13.45	12.95	11.95
236460	78-744615	Replacement sponge	3.59	3.23	2.99

Replacement Sponges for Legacy Models

Part No.	Product No.	For Station	1	10	100
134640	SP815	168-3C	\$2.99	\$2.55	\$1.75
134631	SP715	XY-60D, XY-379 & XYT379-C	2.99	2.69	2.49



Economical, High-Performance Soldering Irons

High-quality soldering irons that are suitable for both professional and do-it-yourself applications.

- 25W, 40W & 60W
- 120VAC; 6' cord with 3-prong plug • Length: 9"



***Web Code: QAS**

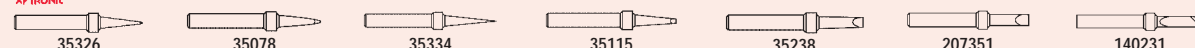
Part No.	Product No.	1	10	25
224611	200PHG-25W	\$10.95	\$9.95	\$8.95
224602	200PHG-40W	11.95	10.95	9.95
195223	200PHG-60W	15.45	14.48	10.86
226018	44-240513 tip	1.55	1.29	1.09

***For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above**

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. [Details on page 159.](#)



Tips & Replacement Parts for XYTronic Soldering and Desoldering Products



★ Web Code: NAB			For XYTronic Model Numbers (*Legacy Models)											Pricing		
Part No.	Cross Ref. No.	Description	2580L	1683SD *	2003Y 200PNC	379 * 1370-C	ALSD 102SD	XY90W DESD	980P *	988	999SD *	JS238 *	168-3C	1	10	25
35326	XY401	Soldering tip - conical bevel 1/32"	✓		✓	✓		✓	✓		✓	✓	✓	\$4.49	\$3.95	\$3.65
35078	XY402	Soldering tip - semi-chisel 1/32"	✓		✓	✓		✓	✓		✓	✓	✓	4.49	3.95	3.65
35334	XY403	Soldering tip - conical sharp 1/64"	✓		✓	✓		✓	✓		✓	✓	✓	4.49	3.95	3.65
35115	XY404	Soldering tip - conical chisel 1/16"	✓		✓	✓		✓	✓		✓	✓	✓	4.49	3.95	3.65
35238	XY405	Soldering tip - semi-chisel wide 1/8"	✓		✓	✓		✓	✓		✓	✓	✓	4.49	3.92	2.94
207351	XY410	Soldering tip - chisel 3/16"	✓		✓	✓		✓	✓		✓	✓	✓	4.49	3.95	3.65
140231	XY430	Soldering tip - SMD flat pack 7/32"	✓		✓	✓		✓	✓		✓	✓	✓	8.95	7.95	7.25
156814	XYB01	Soldering tip - sharp conical chisel 1/32"		✓			✓							6.39	5.59	5.22
207327	XYB03	Soldering tip - conical sharp 1/64"		✓			✓							6.59	6.22	5.38
207298	XYB05	Soldering tip - semi-wide chisel 1/8"		✓			✓							4.95	4.49	3.95
35297	XY37	Heating element - (nichrome)			✓	✓		✓			✓		✓	20.95	18.95	16.95
35318	XY48	Assembly - 60W w/ nichrome heater			✓	✓		✓			✓		✓	30.95	27.95	24.95
127634	XYD10	Desoldering tip - 1.0mm (.0394")							✓	✓	✓			9.95	8.95	7.95
127642	XYD12	Desoldering tip - 1.2mm (.0472")							✓	✓	✓			9.95	8.95	7.95
127651	XYD15	Desoldering tip - 1.5mm (.0586")							✓	✓	✓			9.95	8.95	7.95



Soldering Kit

Includes: 100W soldering gun with extra tip, 30W soldering iron, manual desoldering pump, mini third-hand board/component holder, lead solder, and soldering aid tool.



Part No.	Description	Size	Weight (lbs.)	Price
684596	GSR-600A	13.8"L x 11"W x 3"H	4.0	\$47.55

Vacuum Pen Tools

- ESD safe body
- Picks up components with weight of 1.1 lbs. or less



Part No.	Description	1	10	25
207239	Handivac tool (4 tips and cups)	\$24.19	\$21.77	\$19.59
207247	Pen vac tool (6 tips and cups/aluminum body)	41.75	37.68	33.54

Solder Spool & Iron Stand

- 4 pc. spool stand (some assembly required)
- Size: 6"L x 3.5"W x 3.1"H
- Sponge size: 1.6"W x 2.4"L
- Shaft diameter: 0.6" • Wt.: 2.0 lbs.



Part No.	Description	1	10	100
169551	Spool & iron stand	\$16.95	\$15.29	\$11.47

Solder Spool Stand

- 12 pc. solder spool stand (some assembly required)
- Size: 3.6"W x 3.9"D x 4.3"H
- Shaft dia.: 0.6" • Weight: 1.6 lbs.



Part No.	Description	1	10	100
141761	Solder spool stand	\$9.15	\$8.15	\$7.92

*Solder Spools — Enter Web Code YAU

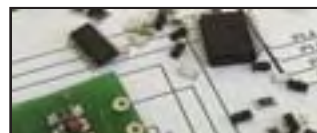
Solder Bars

- Used with solder pots • Size: 13"L x 0.9"Dia.
- 176057: 60/40
- 170465: 63/37
- 668406: 99.3% tin, 0.7% copper
- 668414: 96.3% tin, 3.2% silver, 0.5% copper

*Web Code: ABD

170465

Part No.	Description	Wt. (lbs.)	1	10	25
176057	60/40	1.1	\$24.65	\$22.76	\$20.76
170465	99.3/7	1.8	19.95	18.95	18.55
668406	99.3/7	2.2	36.49	35.17	33.41
668414	96.3/3.2/5	2.2	81.49	69.27	51.95



Answering Your Questions

Our Tech Support Department is ready to answer any questions you may have. Stumped on a project? Give them a call at 1-800-831-4242.

600-Watt Solder Pot

Temperature Adjustable

- 2-wire power cord (5'5")
- Temperature: 0°C to 500°C
- Self-regulating temperature
- Input voltage: 110VAC @ 5.5A
- On-off power switch and LED indicator for heat
- Holds up to 3 bars of P/N 176057 or 170465, left
- Size (unit): 6.8"L x 5.5"W x 2.8"H
- Size (tub): 3.9"L x 1.6"D
- Weight: 7.4 lbs.



Part No.	Description	1	10
172276	600W solder pot	\$235.95	\$209.95

2000-Watt Solder Pot

- Thermostat control for setting temp. from 50°C to 300°C
- Holds up to 48 bars of P/N 176057 or 170465, left
- 3 conductor pigtail power cord: 5' long
- Input volt.: 110VAC @ 18A, 50-60Hz single phase
- Size (unit): 18.1"L x 11.5"W x 6.0"H
- Size (tub): 12.0"L x 8.0"W x 2.9"H
- Weight: 23.1 lbs. • One-year warranty



Part No.	Description	1	5
149876	2000 watt solder pot	\$399.95	\$369.95

*Solder Pots — Enter Web Code HAW

Combination 42-Watt Soldering Station and Fume Extractor

- Power consumption: 42W @ 650°F (soldering iron)
- Adjustable knob for temperature control: 500°F to 800°F
- Stability @ idle: ±9°F
- Max. air volume: 95/115CFM
- LED indicator for pilot light
- Electronic zero-voltage switching
- Input voltage: 100-120VAC @ 60Hz
- Size: 6.4"W x 7.8"H x 4.7"D • Weight: 5.2 lbs.



Includes: Soldering iron, iron holder, sponge, carbon activated filter, power cord and manual

Part No.	Product No.	1	10
183169	456DLX	\$89.95	\$86.49



Fume Extractor

Absorbs noxious lead fumes using activated-carbon filter and a high-efficiency fan

- Operate continuously providing filtered air
- Static ground jack • Fuse protected
- Air flow: 115 CFM • Noise: 49dB fan
- 20VAC, 60Hz, 22 watt
- Aerodynamic hood design for effective removal of solder fumes
- Black anodized aluminum case
- Removable carbon-impregnated filter
- Size: 6.4"W x 4.6"D x 7.9"H
- Weight: 4.6 lbs. • One-year warranty



Includes: Detachable power cord

Part No.	Description	1	10	25
120150	Fume extractor	\$58.95	\$52.95	\$47.79
127183	Replace. filters (2/pk)	12.95	11.66	10.49

*Fume Extractors — Enter Web Code HAR

*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 159.

Weller® Fume Extractor

This fume extractor removes flux fumes from the soldering workbench by drawing smoke through an activated carbon filter. With its exceptionally quiet fan, it can process up to 1.37 cubic meters of air per minute and its stand is adjustable allowing it to be set-up in multiple positions.

- Volt.: 120VAC • Sound level: 45-50dB • ESD safe
- Air consumption: 87-107CFM • UL/CUL listed
- Power consumption: 20W • Weight: 4.2 lbs.
- Absorption capacity: 1.25 cubic meters to 1.37 cubic meter per minute • Size: 10"L x 6.5"W x 11"H



Part No.	Product No.	1	5
684810	WSA350	\$54.35	\$51.60
684828	WSA350F (carbon filter)	7.15	6.79

Fume Extractor

Designed to remove solder flux fumes and other workplace fumes from the operator's breathing zone. Uses activated-carbon filter and a high efficiency fan. Air is filtered, cleaned, and returned to the workplace.

- Input volt.: 110 – 120V
- Power: 20W • Arm length: 29"
- Fan specifications: 50dB S/N ratio; 87cfm
- Size: 8.3"H x 8.3"W x 5.3"D • Weight: 3.3 lbs.



Part No.	Product No.	1	10
667420	GS-630A	\$63.95	\$59.95

***Fume Extractors — Enter Web Code HAR**

Jameco ValuePro Clip-On Heat Sink

- Absorbs and dissipates heat during soldering and desoldering sensitive parts
- Size: 2.7"L x 0.7"W



Part No.	Mfr. Part No.	1	10	25
159126	HT156	\$3.05	\$2.71	\$2.45

GC Heatsink Compounds

Silicone (Z9)

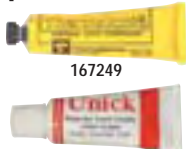
Industry standard zinc oxide-filled silicone heatsink grease for most applications. Will not soften at elevated temperatures, dry out or harden. Meets MIL SPEC C-47113



Part No.	Prod. No.	Description	1	10	100
615304	10-8106	1 lb. can	\$30.49	\$28.37	\$24.88
615312	10-8108	6.5 gram tube	2.59	2.39	2.08
615321	10-8109	1 fl. oz. tube	8.29	7.70	6.75

Heat Sink Compounds

Thermally loaded silicone-based grease that improves transfer of energy across the metal-to-metal interface between transistor or rectifier and heat sink.



Part No.	Mfr. Part No.	1	10	100
167249	THM250 (2 oz.)	\$9.95	\$8.99	\$8.19
236823	54114 (1 oz.)	5.95	5.05	3.78

***Heat Sink Compounds — Enter Web Code YBA**

TECHSPRAY Heat Sink Compound 4-oz.

This silicone-free compound provides more effective heat transfer. Will not harden, dry out, melt, or contaminate wave-solder baths.



Part No.	Product No.	1	10
169252	1978DP	\$22.39	\$21.52

Soldering Tip Cleaner with Stand and Rosin Paste Flux

- 156777:
 - For cleaning soldering iron tips without the use of water and sponge
 - Metal wool for cleaning
 - Rubberized base for stability



Part No.	Description	1	10	50
156777	Tip cleaner & stand	\$5.49	\$4.95	\$4.49
160004	Metal wool replacement	2.79	2.49	2.29

TECHSPRAY No-Clean Desolder Braids

Meets all of the most stringent soldering standards for world-wide application including: MIL-F-142560D Type R, NASA specification NHB5300.4, NPC200-4 and SP-5002.

- Length: 5'



Part No.	Description	1	10	100
139951	.030"W desolder braid	\$3.25	\$2.75	\$2.43
124126	.055"W desolder braid	3.25	2.90	2.74
124118	.075"W desolder braid	3.09	2.95	2.80

TECHSPRAY ProWick® Desolder Braids

Pure Rosin 263695
 Finest oxygen-free and oil-free fine-gauge wire, the 100% copper wick is then coated with flux, which cleans connections thoroughly during desoldering to insure maximum solderability. The thin coating of flux also provides dependable, long lasting protection from oxidation.

- Length: 5'



Part No.	Product No.	1	10	100
263695	1803-5F (0.075"W)	\$2.65	\$1.96	\$1.86
263599	1804-5F (0.098"W)	2.99	2.83	2.65

***Desolder Braids — Enter Web Code DAG**

***Web Code: ABD**



32117

Rosin Core Solder Rolls and Pocket Packs

Part No.	Manufacturer	% Composition				Dia. (in.)	Wt. (lbs.)	Pricing		
		Tin	Lead	Silver	Copper			1	10	50
668078	—	99.3	—	—	0.7	0.04	0.6	\$12.95	\$11.95	\$10.95
668262	—	96.3	—	3.2	0.5	0.04	0.6	25.95	23.95	21.95
668271	—	96.5	—	3.5	—	0.04	0.6	33.95	31.95	29.95
668297	—	96.3	—	3.2	0.5	0.04	1.1	41.75	41.07	40.58
1945858	—	96.5	—	3.0	0.5	0.02	1.1	27.95	25.95	23.95
668318	—	96.5	—	3.5	—	0.04	1.1	59.95	55.95	52.95
668342	—	96.5	—	3.5	—	0.04	2.2	65.45	62.18	59.07
141786	Super	60	40	0	—	0.031	1.10	22.55	20.12	19.53
170457	Golden	60	40	0	—	0.031	0.06	1.89	1.79	1.59
32117	Kester	60	40	0	—	0.031	1.00	24.89	22.39	20.18
151474	Kester*	63	37	0	—	0.031	1.00	28.29	22.57	21.89

* Organic core

5' Desoldering Braids

- Easy-to-use, handy dispenser
- Braided copper with flux



Part No.	Description	1	10	100
41082	.079"W braid (5')	\$1.69	\$1.46	\$1.09
41100	.098"W braid (5')	1.59	1.32	1.18
153461	.120"W braid (5')	1.59	1.39	1.25

DATA Plastic Pump Bottle

- Makes one pint of each solution



Part No.	Product No.	1	10	50
158131	ER3	\$10.95	\$9.95	\$8.95

PANA VISE PV .Jr. Vise

- Jaw opening: 2.8"
- Jaw size: 1" wide x 2" long
- Jaw heat tolerance: 350°F
- Vertical/horizontal jaw grooves
- Fine/course adjusting knob
- Vise height: 6.8"
- The vise neck tilts, turns and rotates
- Base bolt is 4.3" and fits all PanaVise base mounts
- Weight: 1.4 lbs. • One-year warranty



Part No.	Description	1	10
134439	Jr. vise w/ mountable base	\$23.75	\$23.16

PANA VISE Vacuum Vise

- Patented "split ball" feature tilts/turns/rotates through three planes
- Nylon jaws open a full 2.25"
- Powerful suction pad for quick and easy set-up
- Size: 5.0"L x 4.0"W x 6.3"H
- Weight: 3.3 lbs. • One-year warranty



Part No.	Product No.	1	10
27131	M381	\$59.95	\$57.95

Clamp Vise

- No tools needed — finger turn to tighten
- Ball cup allows vise to adjust to any angle
- Nylon jaws open 2"
- Size: 10.0"L x 2.5"W
- Weight: 2.1 lbs.



Part No.	Description	1	10
127167	Clamp vise	\$21.95	\$19.95

***Vises — Enter Web Code TAD**

***For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above**

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. [Details on page 159.](#)



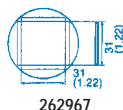
Hot Air SMD Rework Station with Digital Display

- Incorporates a US made pump – the largest in the industry
- Long life ceramic heater insures accurate and sufficient heat where you need it
- Automatic cooling mode protects the heating element
- Power supply: 100-120VAC or 220-240VAC
- Airflow capacity: 1.5L/min. to 28L/min.
- 310W nichrome heating element
- Electronically controlled temperature system with digital readout in preset and actual temperature
- Hot air temperature range: 100°C - 385°C (212°F - 725°F)
- 25W diaphragm pump • Adjustable air-flow
- Size: 7.4"W x 9.6"D x 5.0"H • Weight: 10.8 lbs.

Includes: Precision 5 pc. non-magnetic tweezer set, 4 focus hood tips (single 2.5mm and 4.4mm pipes, P/N 262895 and 262908)

★ Web Code: NAT

QUANTITY SAVE



262967



262844



262941



Part No.	Product No.	Description	1	5
262705	850D	Hot air SMD rework station with 4 focus hood tips	\$395.05	\$375.25
262810	A1135B	Focus hood tip, PLCC 17.5 x 17.5	34.59	25.95
262836	A1137B	Focus hood tip, PLCC 30 x 30	49.45	45.89
262967	A1138B	Focus hood tip, PLCC 30 x 30	49.45	45.89
262895	A1125B	Focus hood tip, QFP 10 x 10	34.59	32.92
262908	A1126B	Focus hood tip, QFP 14 x 14	34.95	26.21
262916	A1127B	Focus hood tip, QFP 17.5 x 17.5	34.59	25.95
262852	A1261B	Focus hood tip, QFP 20 x 20	49.45	37.45
262844	A1182B	Focus hood tip, BQFP 24 x 24	49.45	46.83
262801	A1129B	Focus hood tip, QFP 28 x 28	49.49	37.12
262887	A1265B	Focus hood tip, QFP 32 x 32	75.95	65.95
262932	A1258B	Focus hood tip, SOP 7.6 x 12.7	34.95	26.21
262941	A1260B	Focus hood tip, SOP 8.6 x 18	34.95	26.21
262975	A1259B	Focus hood tip, SOP 13 x 28	49.95	37.46

PANAMISE Electronic Work Center

- Circuit board holder, standard base, tray base mount, solder station, sponges and wire holder included
- Size: 8.5"W x 7.8"H
- Weight: 5.3 lbs.
- One-year warranty



Part No.	Description	1	5	10
27060	Electronic center	\$81.15	\$73.05	\$70.62

Third Hand Tools

- Frees hands for soldering
- Two adjustable arms with alligator clip jaws
- 2" diameter magnifying lens
- Quick and easy rotation
- Sturdy, heavy base
- Weight: 0.7 lbs.



681002: With soldering holder and sponge

Part No.	Description	1	10	50
26690	Third hand	\$5.95	\$5.35	\$4.79
681002	Third hand	8.99	7.99	7.49

For complete selection of 3M products



Visit us online at www.Jameco.com

Chemicals



- Safe on plastics
- EPA SNAP approved, no CFCs or HCFCs
- ★ Shipped via UPS ground to continental U.S. only



Envi-Ro-Tech™ Duster

Removes microscopic contaminants, lime, dust, metallic oxide, deposits, and other soils without the use of harmful solvents.

Part No.	Description	Wt. (lbs.)	1	12
139900	10 oz. aerosol w/ trigger	0.8	\$11.49	\$10.54
263530	15 oz. aerosol w/ trigger	0.8	12.99	12.35

Envi-Ro-Tech™ Freezer

Rapidly evaporating liquid that can chill to -62°F.

Part No.	Description	Wt. (lbs.)	1	12
139934	10 oz. aerosol can	0.8	\$13.35	\$12.65

Workshop Chemicals

★ Web Code: YAQ



263530



139934



118033



263572



481764



263716

ECOLINE Flux Remover

- Dissolves R, RMA, RA, SA & most no-clean fluxes

Part No.	Description	Wt. (lbs.)	1	12
118041	10 oz. flux remover	0.8	\$10.85	\$10.50

ECOLINE Contact Cleaner

- Ideal for switches, relays & other places on electrical connections
- Will not damage switch housings

Part No.	Description	Wt. (lbs.)	1	12
118033	10 oz. contact cleaner	0.9	\$10.39	\$9.75

Isopropyl Alcohol

99.8%+ pure, anhydrous isopropanol for all-purpose cleaning. Excellent for tape head cleaning, removal of fluxes, light oils, polar soils, and white mineral residue.

Part No.	Description	Wt. (lbs.)	1	12
263572	1 pint bottle	1.1	\$10.45	\$9.99

No-Clean Flux Dispensing Pen

The resin and halide-free no-clean flux will leave no residues. It provides optimum wetting over a wide range of surfaces and will not damage commonly used plastics.

Part No.	Description	Wt. (lbs.)	1	5
481764	11.5 ml pen	0.1	\$6.49	\$6.17

Conductive Pen

Contains a fast-drying, silver-filled ink designed to quickly make highly conductive silver traces.

- Repairs traces
- Links components
- Makes smooth jumpers
- Shields components

Part No.	Description	Wt. (lbs.)	1	12
263716	4.89 ml pen	0.1	\$18.05	\$17.19

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Our enhanced website offers over a hundred thousand additional products, datasheets and photos. Compare like products and receive real time availability to help you source the products you need.



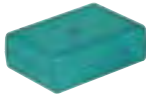
★ For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 159.

Specialty Enclosures



A Series



C Series



H Series



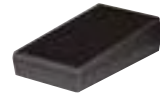
M Series



CH Series



S Series



SL Series



R Series

A Series — with PCB Boss Mounts

- 4-piece design
- Interchangeable end panel
- 4-insert areas for customized I-plates



QUANTITY
SAVE

Part No.	Product No.	Color	Batt. Holder	Size (L"xW"xH")	1	10	50
373333	A-21-BK	Black	None	4.25 x 2.60 x 1.12	\$6.79	\$5.37	\$4.61
373368	A-27-BK	Black	None	5.31 x 3.35 x 1.50	9.95	7.86	5.98
373456	A-42-BK	Black	None	7.12 x 5.00 x 1.62	14.45	11.25	10.50
373608	A-42-9V-BK	Black	1-9V	7.12 x 5.00 x 1.62	16.85	13.28	12.64

C Series — with Pinch-Fit for PCBs

- Simple 2-piece design
- 2-insert areas for customized I-plates
- ★ Translucent

Part No.	Product No.	Color	Size (L"xW"xH")	1	10	50
675331	C-4-BK	Black	2.13 x 1.38 x 0.58	\$2.65	\$2.47	\$1.72
694567	C-8-TR-RD	Red	2.40 x 1.85 x 0.93	4.39	4.16	3.44
675382	C-12-BK	Black	3.75 x 2.40 x 1.00	4.19	3.45	2.58

H Series — Handheld with Built-in Battery Holder

- Ergonomic handheld design
- 5-insert areas for customized I-plates
- ★ Translucent

Part No.	Product No.	Color	Batt. Holder	Size (L"xW"xH")	1	10	50
374483	H-45-AAA-BK	Black	2-AAA	3.90 x 2.20 x 0.94	\$7.79	\$6.06	\$5.17
694621	H-65-TR-GY	Gray	None	4.94 x 2.75 x 0.94	12.69	11.45	10.55
374512	H-65-AA-BK	Black	2-AA	4.94 x 2.75 x 0.94	7.75	5.75	5.67
374715	H-65-AA-TR-BL	Blue	2-AA	4.94 x 2.75 x 0.94	14.35	11.28	10.75
374723	H-65-AA-TR-GR	Green	2-AA	4.94 x 2.75 x 0.94	8.99	8.85	6.59
374635	H-65-9V-BK	Black	1-9V	4.94 x 2.75 x 0.94	7.59	6.29	6.09
374758	H-65-9V-TR-BL	Blue	1-9V	4.94 x 2.75 x 0.94	13.29	11.08	10.28
675323	H-67-BK	Black	None	4.94 x 2.75 x 1.28	7.49	5.99	5.79
374942	H-67-9V-BK	Black	1-9V	4.94 x 2.75 x 1.28	7.79	6.83	6.26
374601	H-75-AAA-BK	Black	4-AA	7.20 x 3.65 x 1.20	12.55	9.97	9.36

M Series — Handheld with Built-in Battery Holder

- Streamlined handheld design
- 5-insert areas for customized I-plates
- ★ Translucent

Part No.	Product No.	Color	Size (L"xW"xH")	1	10	50
675438	M-6-BK	Black	4.15 x 2.40 x 0.85	\$7.69	\$5.49	\$5.48
694815	M-6-TR-GY	Gray	4.15 x 2.40 x 0.85	13.55	9.77	9.07
694807	M-6-TR-GR	Green	4.15 x 2.40 x 0.85	13.55	10.75	10.03

Please Note: Images used are representative. Color and shapes may vary by model.



Bug Boxes

- Anti-static plastic
- Fits in bug cage (P/N 11332, below)
- Box size: 4.9"L x 3.3"W x 0.6"H • Color: blue
- P/N 11341: stores sixty 8-pin or thirty 16-pin DIPs
- P/N 11375: designed to store all types of components

Part No.	Description	1	10	100
11341	30 compartments	\$5.95	\$5.49	\$4.85
11375	3 compart./3 vertical & 3 horizontal dividers	4.29	3.95	3.65



Bug Tray

- Fits in bug cage (P/N 11332, below)
- 10 compartments
- 3.2"L x 0.4"W x 0.4"H ea.
- Tray size: 4.8"L x 3.6"W x 0.5"H

Part No.	Description	Color	1	10	100
11800	Divided bug tray	Blue	\$6.39	\$5.75	\$4.85

Simplify your product search by entering web codes above online at www.Jameco.com/More for additional product listings and specifications.



Component Cabinet



- Drawer can be divided into 3 sections (clear)
- Wall mountable cabinet (ABS black)
- Cabinet size: 6.0"D x 14.7"W x 7.4"H

319601: 5.5"L x 2.7"W x 1.5"H 319611: 2.5"W x 1.2"H

Includes: 25 clear plastic drawers, 20 dividers and 30 adhesive I.D. labels

Part No.	Description	1	10	50
319600	Component cabinet	\$16.49	\$14.45	\$12.95
319601	Drawer for cabinet	.69	.49	.39
319611	Divider for cabinet	*	.23	.20



Bug Cage

- Holds bug boxes or trays
- Modular and interlocking
- Case size: 5.0"L x 3.9"W x 5.1"H

Part No.	Description	Color	1	10	100
11332	Bug cage	Blue	\$8.95	\$8.02	\$7.22



Plastic Fliptop Boxes

- Clear plastic box with a clear plastic lid and removable dividers
- 100256: Size: 8.4"L x 4.5"W x 1.4"H
- 18 compartments (1.4" x 1.5" each)
- 148902: Size: 10.2"L x 4.7"W x 1.6"H
- 12 compartments (1.7" x 2.3" each)

Part No.	Description	1	10	100
100256	18 compartments	\$2.29	\$1.99	\$1.75
148902	12 compartments	3.99	3.59	3.19



Plastic Fliptop Case for SMDs

- 128 compartments
- Color: gray
- 8 rows x 16 columns grid
- Fliptop openings on each bin
- Padded cover locks bins closed
- Perfect match to store P/N 156882 SMD resistor assortment, pg 34
- Size: 11.0"L x 8.3"W x 1.7"Thick
- Includes: Labels for each bin

Part No.	Description	1	10
164267	SMD fliptop case	\$55.95	\$49.95

★ For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 159.

JAMECO ValuePro

The prototype builder boards on pg 153 are designed to fit into our ABS plastic and aluminum enclosures, metal cabinets and heavy-duty instrument cases. The pre-cut boards have 2 or 4 mounting holes compatible with the PC board mounting hardware listed on pg 153 (P/N 106551).

Board description: Laminated glass epoxy 1/16" thick fire retardant per FR-4 specs. Copper-clad and solder mask one side. Drilled holes: .035" diameter on .080" square pad. Pads spaced on .10" x .10" grid.

JAMECO EXCLUSIVE

Enclosures

See pages 88 - 89 for Knobs and Hardware

* Web Code: UAL

Call for additional OEM pricing.



* All boards sold separately, see pg 153; multiple boards shown

ABS Plastic Enclosures

Lid has a lip for precision fit (adds 0.4" height). Complete with four screws and lid. All sizes below are for interior dimensions.

Part No.	Cross Ref. No.	Size (L x W x D)	1	10	50	100
18922	H2855	3.1" x 2.0" x 0.9"	\$3.25	\$2.95	\$2.65	\$2.39
18914	H2853	4.9" x 2.5" x 1.5"	3.95	3.55	3.19	2.75
18893	H2851	6.0" x 3.5" x 1.9"	4.79	4.31	3.88	3.49
18906	H2852	7.5" x 4.3" x 2.3"	7.25	6.51	5.86	4.39



Metal Enclosures

- Mounting screws and rubber feet included
- Glossy black textured steel top cover and ivory aluminum base

Part No.	Cross Ref. No.	Size (L x W x D)	1	10	50	100
208901	B2741A	4.0" x 3.3" x 2.2"	\$5.95	\$5.25	\$4.49	\$3.95
208911	B2743A	5.9" x 5.3" x 3.0"	9.09	8.20	7.40	6.71
208929	B2744A	7.3" x 6.3" x 2.8"	11.19	9.59	7.69	6.01
209350	B2746A	6.3" x 7.8" x 2.5"	11.95	9.95	8.95	7.25
209358	B2747A	7.5" x 9.8" x 3.2"	17.99	16.19	12.25	9.19



Die-Cast Aluminum Enclosures

Ideal for RF circuits. Made from aluminum, an excellent heat-sink, these cases are great for high temp circuits (up to 600°C). Complete with screws.

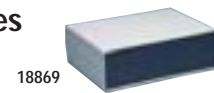
Part No.	Cross Ref. No.	Size (L x W x D)	1	10	50	100
11957	B5002	3.9" x 2.0" x 1.0"	\$5.95	\$5.39	\$4.85	\$4.35
11965	B5004	4.7" x 2.4" x 1.6"	9.95	8.99	8.09	6.59
11973	B5006	7.5" x 4.3" x 2.4"	16.75	15.08	13.56	12.21



ABS Heavy-Duty Instrument Cases

P/N 18877 includes ventilation and speaker sound slots. Color: gray

Part No.	Cross Ref. No.	Size (L x W x D)	1	10	50	100
18869	H2505	7.9" x 6.3" x 2.5"	\$7.89	\$7.10	\$6.39	\$5.75
18877	H2507	10.0" x 7.5" x 3.1"	9.45	8.39	7.69	6.75



ABS Enclosures w/ Clear Tops

Includes screws for mounting boards or electronic components, rubber gasket for a tight seal on your equipment & drilled holes for mounting.

Part No.	Cross Ref. No.	Size (L x W x D)	1	10	50	100
141832	203C1	4.6" x 3.2" x 1.8"	\$9.99	\$8.99	\$7.20	\$5.40
141841	203D1	6.5" x 3.4" x 2.2"	11.49	10.34	9.33	8.36
141859	203F1	7.3" x 5.7" x 3.0"	11.99	10.99	9.99	8.99

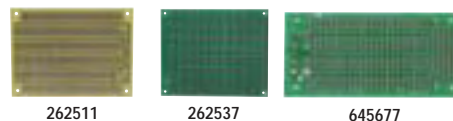


PT Series Prototyping Boards

* Web Code: WCG

Accommodates any mixture of 0.3" to 0.6" wide IC's with any number of pins, and any combination of resistors, capacitors, diodes, transistors, etc. • 4 power buses that connect to a power jack (recommended P/Ns 101178 & 101187, pg 72)

Part No.	Cross Ref. No.	Size	Hole Pads	# Holes x Dia.	# Mntg Holes x Dia.	1	5	10
645677	PT-35X25	3.5"L x 2.5"W	Double-sided	456 x .036"	4 x .140"	\$19.79	\$18.77	\$18.45
262511	PT-5X37	5"L x 3.7"W	Double-sided	1135 x .036"	4 x .140"	24.75	22.95	21.79
262537	PT-6X49	6"L x 4.9"W	Double-sided	1931 x .036"	4 x .140"	39.09	37.73	34.04



VECTOR ELECTRONIC COMPANY

Wire Wrap and Push-In Terminals

For .042" Diameter Holes

- Material: copper alloy
- Prebagged 100 pcs.

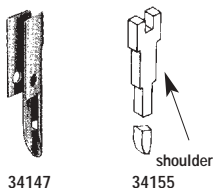
34147: Push-In Micro-Klip Terminals

- Overall length: .36"
- Post size: .032" x .045"

34155: Miniwrap Wiring Terminals

- Shoulder: .045"
- Two-prong with square tail for wire wrapping
- Overall length: .69"
- Post size: .025" Sq.

* Web Code: XCE



Part Number	Product Number	Height Above .062" Board	Length Below .062" Board	100 pc. units
				1 10
34147	T421	.200	.097	\$11.25 \$9.85
34155	T44	.065	.530	11.45 9.80

GC

Prototype Boards

Experimenter's Phenolic Prototype Board

Excellent for use in prototype building, experimenting, hobby or science projects and kit building. 0.03" punched holes on 0.150" centers.

Part No.	Product No.	Description	Size	1	10	50
616673	22-512	Single land patt.	6.75"L x 3.38"W x 1/16"Th	\$5.49	\$4.99	\$4.49

Versa Strip Phenolic Prototype Board

- Alpha-numeric indexing
- Silver-plated land patterns
- Predetermined short tracks for multi-IC work
- 0.035" diameter holes
- 0.1" centers

Part No.	Product No.	Size	1	10	50
616622	22-502	3.5"W x 6"L x 1/16"Th	\$7.99	\$6.99	\$6.49



We're Listening to What You Need

Our goal is to provide you with more of what you want. Let us know how we can better serve your electronic needs. Send feedback to Feedback@Jameco.com.

* For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 159.

General Purpose Prototyping Boards

Select the prototype board that fits your needs from our comprehensive product listing. Prototyping boards with punched holes are convenient, economical tools for assembling circuit components and trying cost-effective alternatives to custom designs.

- 0.062" board thickness
- 0.1" hole spacing
- 0.08" pad size
- PCB material epoxy glass
- Plated through pads are double-sided

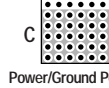
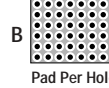
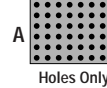
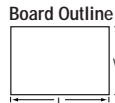
See PCB enclosures on pg 152, and mounting hardware (recommend P/N 106551) below

★ Web Code: LAG



JAMECO EXCLUSIVE

QUANTITY SAVE



Part No.	Cross Ref. Number	Size (W" x L")	Fits Enclosure(s) (see page 152)	Circuit Pattern	Hole Pads	# Holes x Dia.	Power/Ground Buses	Connector I/O or Edge	# Mounting Holes x Dia.	Wt. (lbs.)	Pricing			
											1	10	50	100
105100	2855PCB	1.60 x 2.70	18922	B	Single-sided	288 x .035"	None	None	2 x .115"	.02	\$5.75	\$5.25	\$4.55	\$4.09
105102	5002PCB	1.50 x 3.50	11957	C	Single-sided	365 x .038"	4	None	2 x .140"	.02	6.95	6.25	4.95	3.95
263186	PCB-403	1.80 x 3.10	18922	B	Plated through	300 x .042"	None	None	4 x .115"	.03	6.95	6.25	5.63	5.09
105129	2853PCB	2.00 x 4.40	18914, 11965	C	Single-sided	669 x .038"	4	None	4 x .140"	.03	8.45	7.95	7.15	6.59
105111	2300PCB	2.40 x 3.40	11870	C	Single-sided	637 x .038"	4	None	2 x .140"	.03	8.59	7.59	5.72	4.29
263207	PCB-463	2.40 x 4.10	N/A	B	Plated through	640 x .042"	None	None	4 x .120"	.05	9.85	8.90	7.99	7.20
28177	PCB1	2.42 x 4.10	18914	C	Plated through	674 x .040"	None	None	4 x .120"	.04	6.45	5.95	4.29	3.29
263215	PCB-858	2.50 x 4.50	18914	D	Plated through	640 x .042"	None	None	4 x .120"	.05	9.65	8.55	6.95	5.95
105153	2851PCB	3.10 x 5.50	18893	C	Single-sided	1450 x .035"	7	None	4 x .140"	.07	10.45	9.55	7.95	6.95
263223	PCB-69	3.30 x 3.70	N/A	B	Single-sided	900 x .042"	None	None	4 x .120"	.05	10.75	9.67	7.74	5.81
105136	2320PCB	3.30 x 4.50	11886	C	Single-sided	1266 x .035"	4	None	4 x .140"	.06	8.95	7.95	6.95	5.95
105162	2852PCB	3.60 x 7.00	18906, 11973	B	Single-sided	2225 x .035"	4	None	4 x .140"	.10	14.95	13.45	12.77	11.87
206587	2746APCB	4.30 x 6.80	209350	C	Single-sided	2550 x .042"	5	None	4 x .140"	.07	11.95	10.95	9.95	8.95
21435	JE401(8001)	4.50 x 6.50	18869	B/D	Single-sided	2360 x .042"	2	None	None	.12	21.95	19.79	17.78	13.34
21532	JE417	4.20 x 6.50	N/A	C	Plated-through	2126 x .042"	2	D-sub 9/15/25/37	8 x .120"	.12	16.95	14.95	13.49	11.95
21452	JE405(8003)	4.50 x 6.50	18869	C	Single-sided	2360 x .042"	1	None	None	.12	17.95	15.95	12.95	10.95
206578	2743APCB	4.60 x 4.30	208911	C	Single-sided	1684 x .042"	5	None	4 x .140"	.07	7.25	6.25	5.25	4.49
105180	2505PCB	5.00 x 5.50	18869	C	Single-sided	2829 x .035"	7	None	8 x .120"	.13	15.95	13.95	11.95	10.95
28194	PCB3	5.00 x 8.00	18877	C	Plated through	3705 x .042"	4	Mounting area-I/O	4 x .120"	.17	21.95	20.95	19.94	18.19
21478	JE407(8006)	5.00 x 13.25	N/A	B	Plated through	6063 x .038"	None	None	8 x .120"	.28	42.95	38.95	28.95	20.95
206594	2747APCB	5.50 x 8.00	209358	C	Single-sided	3906 x .042"	5	None	4 x .140"	1.0	12.95	11.95	10.95	8.95
105187	2507PCB	6.10 x 8.00	18877	C	Single-sided	4771 x .035"	7	None	8 x .140"	.21	19.95	17.95	15.95	13.95
263232	PCB-7038	8.30 x 11.9	N/A	B	Plated through	8819 x .042"	10	5	4 x .115"	.40	55.95	50.36	40.29	30.22

* PC/XT 8-bit ⚡ Blue Part No. = Limited Quantity Available

VECTOR ELECTRONIC COMPANY

Vector Prototyping Boards

43140	64P44XXXP	4.50 x 6.50	18869	A	Drilled only	2860 x .042"	None	None	None	.09	\$7.75	\$7.05	\$6.99	\$6.91
52943	84P44WE	4.50 x 8.50	18877	A	Drilled only	3740 x .042"	None	None	None	.15	12.65	11.15	10.95	10.85
37604	169P44WE	4.50 x 17.0	N/A	A	Drilled only	7524 x .042"	None	None	None	.31	21.35	20.28	19.27	18.31
37612	169P44XXXP	4.50 x 17.0	N/A	A	Drilled only	7524 x .042"	None	None	None	.25	15.65	14.99	14.40	13.92
37621	169P84WE	8.50 x 17.0	N/A	A	Drilled only	14,448 x .042"	None	None	None	.53	28.99	27.56	26.73	25.93
106551	20 pieces: PC board mounting hardware (4 spacers, 8 screws and 8 washers) used with all above boards (manufacturer may vary)										2.85	2.61	2.30	2.14

* PCB material: phenolic † All 0.042" diameter hole boards use terminals P/Ns 34147 and 34155 (pg 152), P/N 34163 (see web)

Prototype Boards (Cont.)

Perforated Bare Phenolic Prototype Board

Unexcelled for prototypes, breadboards, hobby or science projects. Bare phenolic board with no copper clad.

- 0.093" dia. holes, 0.265" spacing
- Size: 6.0"L x 4.5"W x 1/16"Th

Part No.	Product No.	1	10	50
616690	22-516	\$5.99	\$5.49	\$4.99

Circuit Boards

Bare Copper Circuit Boards – Single Sided

1 oz. copper on base of either fiberglass or reinforced epoxy board.

- 1/16" Thick

Part No.	Product No.	Size	1	10	50
616471	22-250	3" x 5"	\$2.59	\$2.39	\$2.10
616489	22-260	4" x 6"	3.75	3.49	2.99
616497	22-261	6" x 6"	4.99	4.75	4.25
616500	22-263	6" x 9"	5.79	5.49	4.99
616518	22-264	8" x 10"	10.65	9.98	8.81
616534	22-268	11" x 14"	19.95	17.95	15.95

Circuit Boards (Cont.)

Assortment Single-Sided Bare Boards

- (1) 2" x 4.5"; (1) 3" x 4.5"; (2) 2.25" x 3"

Part No.	Product No.	1	10	50
616551	22-272	\$5.49	\$5.13	\$4.51

Positive Pre-Sensitized Circuit Boards

1 oz. copper on 1/16" epoxy glass board, UL94V-0 rated. High quality positive pre-sensitized board is double protected from light and handling damage. The peel-off coating protects the board while handling or cutting prior to exposure.

Single-Sided Boards

Part No.	Product No.	Size	1	10	50
616243	21-332	3" x 4"	\$5.35	\$5.05	\$4.79
616251	21-334	4" x 6"	6.29	5.35	4.99
616260	21-336	6" x 6"	6.99	5.99	5.59

Double-Sided Board

616307	21-353	6" x 9"	\$13.99	\$13.32	\$12.65
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Pre-Sensitized Circuit Board & Developer

- Pre-coated circuit board
- Size: 3.0"L x 4.0"W x 1/16"Th

Includes: Instructions

Part No.	Description	1	10	25
156751	Single sided	\$5.19	\$4.75	\$4.19
156734	4 oz. pos. developer*	7.59	6.95	5.95

Dry Concentrated Etchant

- Makes one pint of etch solution

Part No.	Product No.	1	10	25
70201	ER3*	\$4.95	\$4.55	\$3.95

* Shipped via UPS ground – Available continental U.S. only

The Best Warranty in the Industry

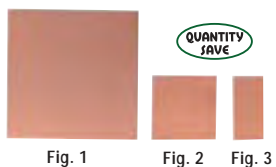
All Jameco purchases are guaranteed for a full 90 days and even longer for Jameco House Brands.

★ For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product ⚡ This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 159.

JAMECO ValuePro Copper-Plated Blank Circuit Boards

Ideal for hobbyists & students doing prototypes of circuits. Single and double-sided boards are copper plated.
• 1.6mm thick



Part No.	Cross Ref. No.	Description	Fig.	Size (L" x W")	1	10	50
169279	PCBS3X6	Single sided	3	3.0 x 6.0	\$3.49	\$3.14	\$2.35
169288	PCBS6X6	Single sided	2	6.0 x 6.0	4.95	4.46	3.56
169296	PCBS12X12	Single sided	1	12.0 x 12.0	13.49	12.15	10.95
169309	PCBD3X6	Double sided	3	3.0 x 6.0	4.95	4.35	3.25
169317	PCBD6X6	Double sided	2	6.0 x 6.0	6.95	6.45	5.95
169325	PCBD12X12	Double sided	1	12.0 x 12.0	18.95	17.19	15.35

BELLIN DYNAMIC SYSTEMS, INC. Surface Mount Proto Boards

Prototyping SMT circuit boards has been tedious and time-consuming because surface mount devices are so small. Now there is an easy, cost-effective and versatile Snap-Apart™ solution from Bellin Dynamic Systems.

- Quality silk-screened and solder-masked boards
- V-groove scoring between elements for smooth straight edges
- Compatible w/ .100" single or dual row male headers (see pg 57)
- Size: 7.6"L x 5.0"W
- Board thickness: 0.031"
- See our website (www.Jameco.com) for additional specifications



Portion of 681133



Application example using 215503

Small SMT

Part No.	Prod. No.	Board Description	1	10
215491	B502	160 SMT pattern, SOT/SOIC/TSOP/MSOP/DPAK & more	\$45.95	\$41.35
227344	B513	300 SMT pattern, SC90, SOT23-6, 323-6, TSOP, MSOP8, 10+	45.95	41.35

SOIC

215520	B505	60 SOIC SMT pattern, SOIC 8, 14, 16, 24, 32, 40 & more	\$45.95	\$41.95
227310	B510	140 SMT pattern, SOIC 8 to DIP .300" width	45.95	41.35
227328	B511	63 SMT pattern, SOIC nrw/wd 8, 14, 16, 18, 20 to DIP .300"	57.85	45.25
227352	B514	72 SMT pattern, SOIC narrow 8, 14, 16, 18, 20 to DIP .300"	44.95	33.75
227361	B515	30 SMT pattern, SOIC 24, 28, 32 to DIP .600" width	45.95	33.99

Fine Pitch Dual Row

215503	B503	34 SMT pattern, SOIC/QSOP/TSOP/MSOP/TSSOP & more	\$45.95	\$41.35
227281	B507	40 SMT pattern, SSOP/TSSOP 16, 20, 32, 40 & more	45.95	41.35
323889	B516	54 SMT pattern, 0.65mm TSSOP 14/16/20/28 to DIP 0.300/0.600	62.49	56.25
681141	B536	4 SMT pattern, 0.5mm TSSOP 14/16/20/28	45.05	33.75

Quad

215511	B504	25 SMT pattern, QFP32, 44, 48, 52, 54, 64, 70, 80, 100 PLCC18, 20, 28, 32, 44	\$45.95	\$41.35
336479	B530	8 SMT, 0.65/0.80mm QFP/MLF 8 - 80 pins (even # of pins/side)	43.65	41.45
681150	B535	8 SMT, 0.40/0.50/0.65/0.80mm QFP/TOFP/QFN/MLF/MLP 4/8/12/16/24/28/32 pins	45.95	41.45

PitchStick™

681133	B534	2 SMT pattern, 48 inline pads, 19.69/25.59 mil pitches	\$39.95	\$37.95
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Kit

Part No.	Prod. No.	Description	Price
681205	KIT-302	1 each of B504, B505, B507, B508, B510, B513, B514, B515, B516, B517, B518, B519, B535, B536, B537 & 3 of B500	\$524.65

PLCC Prototype Adapter

- PCB construction
- Tin-plated PLCC connector
- Gold-plated round pins
- PLCC socket slotted for PLCC chip remover
- PLCC socket identifies pin 1 and orientation key
- Silkscreen numbers identify pin numbers in groups of 5 and 10



Part No.	Pins	Size (L x W)	1	10	100
73542	44	2.3" x 1.6"	\$14.19	\$12.80	\$11.50
73568	84	4.3" x 1.9"	23.95	21.59	19.45

*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product

This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version.

Details on page 159.



Prototyping Boards

The only prototyping system that allows one to work on one circuit block at a time, test the blocks individually, and then connect the blocks together. This is why the system is called "Electronic Circuit Building Blocks."



1537580



1537723



1537635



1537660

Thru Hole Board

Part No.	Product No.	Description	1	10
1537580	201-0001-01	0.1" center spacing w/ 0.5" offset, 12 ground holes	\$5.49	\$4.95

*Web Code: ADS

Discrete Surface Mount Board

Part No.	Product No.	Description	1	10
1537723	202-0035-01	SOT23-3/5/6/SC70-5/6/DPAK/D2PAK/SOT223/T0263-7/ SOT89/0805/1206 discrete in case size A/B/C/D/E	\$10.99	\$9.99

SO/SOP Boards

Part No.	Product No.	Description	1	10
1537635	202-004-01	4-56-pin SOIC w/ 0.05" pitch, 0603 and thru hole components, 12 ground holes	\$10.99	\$9.99
1537643	202-0007-01	Up to 72-pin SO/SOP/OSOP/SSOP/TSSOP/PSSOP w/ 0.5mm pitch, 0603 & 0805 discrete, 6 ground holes	10.99	9.99

QFP Board

Part No.	Product No.	Description	1	10
1537660	202-0011-01	32-100 pins QFP, TOFP, PQFP w/ 0.5mm pitch & 0603 discrete, 6 ground holes	\$10.99	\$9.99

Accessory

Part No.	Product No.	Description	1	10
1537791	920-0010-01	100 pcs. 22AWG 7" jumper wires	\$41.89	\$36.95



Mini Breadboards for Surface Mount Devices.

Surfboards®

*Web Code: QBG



207360

207394

207597

Part No.	Product No.	Description	1	10
207360	9081 (For 8-pin SOIC)		\$1.55	\$1.07
207378	9082 (For 8-pin SOIC)		3.95	3.77
207394	9163 (For 14/16-pin SOIC: 0.1" pin spacing: 0.65"H)		5.89	4.22

Application Specific Adapter

Part No.	Product No.	Accepted Devices	Pins	1	10
207597	33206	SOT-23-6/SOT-23-L/SC-59-6/TSOP-6	6	\$2.05	\$1.38

microEngineering Labs "PICProto" Prototyping Boards

- Holds microcontroller, 5V regulator, oscillator, capacitors and DB9-25 connector
- Double-sided board with plated-through holes
- Large prototyping area
- Silkscreen legend
- Solder mask on both sides makes soldering easy

*Web Code: DAT



132644



132636



132652

Includes: Documentation sheet with schematic, suggested parts and placement

PICProto 18, 18L: All 18-pin PICs including PIC16C52, 54, 56, 58, 55A, 558, 61, 620, 621, 622, 71, 710, 711, 712, 715, 716, 84, 16C623, 624, 625, 16F627, 628, 83 and 84

Part No.	Description	Size (L" x W")	1	10
132644	PICProto 18	3.0 x 1.5	\$9.95	\$8.95

PICProto 3: For the 28-pin PIC16C62, 63, 642, 66, 72, 76, 773, 16F73, 76, 870, 872, 873, 876, 18C242 and 252

132636	PICProto 3	3.0 x 3.0	\$14.95	\$12.45
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PICProto 64: For the 40-pin PIC16C64, 65, 662, 67, 74, 77, 774, 16F74, 77, 871, 874, 18C422 and 452

132652	PICProto 64	4.0 x 3.0	\$17.95	\$12.95
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QUANTITY SAVE

microEngineering Labs PICBasic Pro Compiler

- Compatible w/most PICmicro MCU programmers including EPIC plus
- Use in DOS or Windows® (includes Windows® editor/DE software)
- I/C instructions to access external serial EEPROMs
- Direct and library routine access to any pin or register
- Automation page boundary handling past 2k
- Bit, byte, word arrays • Real if...Then...Else...End if
- Hierarchical expression handling • Built-in LCD support
- Interrupts in BASIC & assembler • BASIC Stamp I & II library
- MPLAB/MPASM/ICE compatibility
- Supports 12C5xx, 12C67x, 12CE67x, 14C000, 16C5x, 16C55x, 6xx, 7xx, 84, 92x, 16CE62x, 16F62x, 7x, 8x, 87x, 17Cxxx and 18Cxxx microcontrollers



Part No.	Description	1	10
150543	PICBasic Pro compiler	\$249.95	\$224.95

microEngineering Labs USB PIC Programmer

More than 300 PIC microcontrollers are supported and support for future devices can be added via FLAS firmware updates. Intelligent voltage regulation allows programming of the new, low voltage PIC® MCUs as well as standard 5V devices.



- Dual color indicator shows ready/busy states
- Full featured, command-line operation • Fast full speed USB data transfer
- Standard USB cable (Type A male to Type B male) • HID interface
- Automatic Vdd and Vpp adjustment for different PIC MCUs
- In-Circuit Serial Programming (ICSP) connector for interface to project board
- Compatible with microchip HEX format files & all programming adapters

Part No.	Description	1	10
1942382	USB PIC programmer 	\$89.95	\$85.45
1942606	840Z ZIF adapter 	39.95	37.95

*MicroEngineering Labs Programmers Available Online — Enter Web Code: EAT

microEngineering Labs EPIC Plus PICmicro Programmer

The EPIC Plus Programmer quickly and easily programs the PIC12Cxxx, 12CExxx, 16C505, 16C55x, 6xx, 7xx, 84, 9xx, 16CE62x, 16F62x, 7x, 8x, 87x, 14C000, 17C7xx, 18Cxxx microcontrollers from Microchip. The basic programmer includes an 18-pin socket for programming 8, 14 and 18-pin PICmicro MCUs. Devices available separately on page 3.



- Simple installation with parallel port (printer) interface
 - Command line operation for automated, non-interactive programming
- Requires: Two 9V batteries or AC adapter (below)

Part No.	Description	1	10
132679	EPIC Plus PICmicro programmer	\$55.75	\$50.18
136397	8/18/20-pin ZIF adapter	34.95	31.95
132610	40/28-pin ZIF adapter	34.95	31.95
162317	AC wall adapter (16VDC/500mA, details on pg 116)	10.49	9.18
67257	6' DB25 cable (details on pg 46) 	8.55	7.65

microEngineering Labs Experimenter's Module Board

Provides an assembled test bed containing most of the circuitry commonly used with PICmicro microcontrollers. Many different projects may be created using the LAB-X1, including calculator, voltmeter, LCD backpack, tone dialer and RC servo controller.



- 40-pin ZIF socket for PICmicro MCU (not included, recommend PIC16F877-20/P (P/N 176882, pg 3)
- Reset button • 16 switch keypad • 2 RC servo connectors
- LED bargraph • RS-232 interface • 3 potentiometers • Speaker
- 2 lines x 20 characters LCD module • Size: 5.5" x 5.6" • One-year warranty
- Socket for I2C & SPI serial EEPROM, RS-485 interface, Microwire serial EEPROM and real time clock/serial analog to digital converter (devices not included)
- EPIC in-circuit programming connector • Prototyping area for additional circuit

Requires: AC adapter (below)

Part No.	Description	1	10
169113	LAB-X1 experimenter board	\$199.95	\$189.95
176882	PIC16F877-20/P microcontroller (pg 3) 	9.29	8.05
127976	AC adapter (details on pg 115)	5.99	5.66

*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 159.

*Programmers and Testers Available Online — Enter Web Code: CDS

High-Speed Universal Device Programmer/Tester

Parallel Port Interface



- Programs Flash memory, PROM, EPROM/EEPROM, Serial (E)EPROM, Bipolar PROM, PAL, PALCE, GAL, NVRAM, PEEL, EPLD, SPLD, CPLD, PIC & MCU
- 8000+ device types supported
- Tests TTL, CMOS, DRAM and Static RAM ICs
- Supports POF and JEDEC formats
- Hardware diagnostic program examines all 48-pin drivers
- On-board FPGA for speed: 4X faster than offshore brands
- High-speed device function tests and user creatable test library
- Protects hardware circuits from improperly inserted or defective chips
- Read, blank check, program, verify, checksum, data compare, security, auto (erase, blank check, program, verify), and option bit program function
- Built-in editor for both buffer date and test vectors • CE/CUL/CSA quality certified



Includes: Parallel cable, installation diskette, power cord and manual

System Requirements: IBM PC, XT, AT, 386, 486, Pentium®, hard drive, 512k RAM, Windows® 95/98/2000/NT, and parallel port

Blue Part No. = Limited Quantity Available

Part No.	Description	Socket	1	5
207765	TOPMAX 	48-pin universal ZIF	\$975.15	\$926.35

Fast Low-Cost Universal Device Programmers

USB Interface



- Universal device (13000+) support includes the latest NAND Flash Memory, standard Flash Memory, EPROM, EEPROM, serial PROM, GAL, FPGA, and MCU
- On-board FPGAs for extremely fast communication
- Supports real low-voltage support: 5, 3.3, 2.7, and 1.8 volt for programming power
- Detects all pin locations for poor or damaged pin contacts
- External "Start" key allows customer to execute the optional auto program parameters without PC command
- Current limiting protects hardware circuit from improperly inserted or defective chips and operation errors • External switching power supply, 110-240VAC
- Support a high-speed USB2.0 port for PC interface
- Support a standard IEEE-1149.1 (JTAG) port



Includes: USB cable, wall adapter, program CD and manual

System Requirements: IBM PC 386,486, Pentium® or compatibles with USB port, Windows® 98/Me/2000/NT/XP, hard drive, 512K RAM

Part No.	Description	Socket	1	5
694866	CHIPMAX 2	48-pin ZIF	\$534.15	\$507.40

XELTEK 3400+ Device, 40-Pin Programmer

- Supports 3400+ devices, including most E(E)PROM, Series E(E)PROM & Flash
- Programs GALs, PEELs, PALCE, Microcontrollers, PIC16Cxx/17Cxx, COP87xx, and PSD3XX
- Tests TTL/CMOS Test, Memory Test, Vector Test, Test Pattern Edit, Auto Identify TTL/CMOS Device
- Features a universal ZIF socket that accepts up to 40 pins
- High-speed programming, cost-effective hardware and flexible software
- Load and save file in binary, Intel (extended) Hex, Motorola S or Tektronix (extended) Hex format. Multiple load, format conversion, relocation etc.
- HEX-ASCII Edit, Fuse Map Edit, Checksum, Swap, Vector Table edit
- Supports Windows® 9x/NT/2000/XP • Printer Port Interface
- Size: 7.8"L x 5.5"W x 0.8"H • Weight: 4.0 lbs.



Includes: Power adapter, parallel cable, manual and CD-ROM software

Part No.	Description	1	5
231183	SuperPro-Z universal programmer	\$293.05	\$278.37



Answering Your Questions
 Our Tech Support Department is ready to answer any questions you may have.
 Give them a call at 1-800-831-4242.

42,000+ Device 48-Pin USB/Stand-Alone Programmer

- Fastest low-cost programmer in the market; programs high-density Flash memory at near theoretical minimum programming time: (Intel 28F320W18 — 1.8 volts 32Mbit at 18 sec.; 13 sec. for programming & 5 sec. for verifying)
- Supports: EPROM, Paged EPROM, EEPROM, FPGA Configuration Serial PROM, Flash Memory (NOR and NAND), BPROM, NOVDRAM, SPLD, CPLD, EPLD, Firmware HUB, MCU, standard logic
- Reliable programming of low voltage devices down to 1.5 volts
- Microsoft® Windows® 9x/NT/2000/XP compatible
- Overcurrent/overvoltage protection for safety of the chip & programmer hardware
- Size: 9.4"L x 5.9"W x 2.0"H • Weight: 5.0 lbs.



XELTEK

Includes: 12VDC @ 2.5A AC adapter, program CD, USB cable and manual

Part No.	Description	1	5
231221	SuperPro-3000U USB universal programmer	\$1,189.95	\$1,079.95

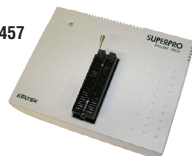
XELTEK

21,000+/31,000+ Device 48-Pin USB Programmers

- High speed programming, 32Mb flash in 13.5 sec. (program + verify)
- Supports EPROM, paged EPROM, parallel & serial EEPROM, FPGA configuration serial PROM, FLASH memory (NOR & NAND), NVRAM, SPLD, CPLD, EPLD, microcontroller, MCU, standard logic, ISP
- Advanced hardware features minimized bounce noise
- Over current and over voltage for programmer hardware
- Software supports Windows® 98/ME/NT/2000/XP
- Pin continuity & wrong chip insertion check prevents chip from accidental damage

Includes: Power adapter, manual, program CD and USB cable

Part No.	Description	Price
692457	SUPERPRO 280U, supports 21,000+ devices from 132+ IC manufacturers	\$589.95
692449	SUPERPRO 580U, supports 31,000+ devices from 146+ IC manufacturers	.. 779.15



XELTEK

37,000+ Device/48-Pin USB Stand-Alone Gang Programmer

- 4 high speed 48-pin DIP programming sockets with four 128MB flash cards
- Supports 37,000+ devices, and growing
- Operates in both PC and stand-alone mode for volume production
- Programs latest low voltage devices
- ISP (in-system programmable) devices supported
- Asynchronous fast programming, each module is independent from one another
- Programming starts automatically when a chip is inserted
- Supports EPROM, EEPROM, serial EPROM, paged EPROM, serial PROM, flash EPROM (NOR & NAND), NVRAM, SPLD, CPLD, EPLD, MCU, microcontroller, SRAM, and standard logic devices with voltages down to 1.5V
- Stand-alone interface: 16 characters x 4 lines backlit LCD, 6 standard hard-keys, 4 compact flash cards (removable which can support up to 256MB)
- Operating volt.: AC input of 90-250V @ 50/60 Hz, or 24V @ 5A power adapter
- Size: 21.3"L x 7.7"W x 2.3"H



Includes: 4 128MB CF cards, AC adapter, CD-ROM, USB cable and manual

Part No.	Description	Price
692490	SUPERPRO 9000U programmer	\$3,599.95

Flash Writer/Programmer with USB Interface

- Supports Flash EPROM, EPROM & EEPROM
- Type, read, load, edit, checksum, erase, blank check, program, verify, protect functions
- Only 22 sec. to blank check, program & verify MXIC MX29F040
- Programs 8-bit Flash serial via USB cable on Windows® 9x/2000/XP



Includes: USB cable, 12V @ 500mA adapter, CD-ROM software and manual

Part No.	Description	1	5
225947	Leaper 3D	\$199.95	\$179.95

Solderless Breadboards

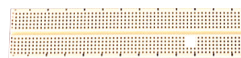
JAMECO
EXCLUSIVE

JAMECO
ValuePro

The screen-printed color coordinates are suitable for many types of digital and analog prototyping and circuit design. Larger models feature a heavy-duty aluminum backing with binding posts. Use Jameco's AC/DC breadboard power supply, P/N 77682 (pg 157).

- Accepts most electronic components, including integrated circuits and transistors for digital and/or analog circuitry
- 0.1" hole spacing
- Pins are identified by numbered rows and columns
- Ideal for high frequency and low noise circuits
- One-year warranty

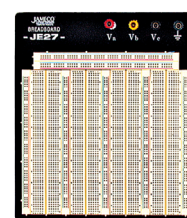
Attention Educators! Buy jumper wire (pg 157) in bulk and SAVE! (see Solid Hook-up Wire on page 44)



20669



20758



20812

WBU5 Series Key Features:

- Horizontal assembly corresponds to the operation flow design of the PC boards for handy operation
- Round hole design makes the electric connection better
- Formed with V-shaped cross-sectional groove, which allows DIP IC pins to be inserted across two parts and to increase the rate of utilization due to small pitch
- Dovetail protrusions and recesses designed to connect two adjacent parts tightly together

JE Series Key Features:

- Use to breadboard and debug circuit designs
- Low static, plastic body — CMOS safe
- Nickel-plated clips designed to withstand up to 5,000 insertion cycles
- Breadboard strips connect together to form larger working areas
- Components are easily interconnected using 20-28 AWG wire (P/N 19290 & 20080, pg 157)
- Some models feature heavy-duty aluminum backings (JE24, JE27, WBU504)

* Web Code: HAC

Part No.	Product No.	Terminal Strips	Bus Strips	Contact Points	Binding Posts	Breadboard Size L" x W"	Baseplate Size L" x W"	Weight (lbs.)	Pricing			
									1	10	50	100
20601	JE21	1	2	400	0	3.3 x 2.1	—	0.13	\$5.75	\$5.25	\$4.75	\$4.19
20669	JE22	1	0	630	0	6.5 x 1.4	—	0.20	7.29	6.25	5.95	4.95
194299	JE37	1	2	640	0	6.9 x 2.4	—	0.25	11.79	10.59	8.49	6.99
20723	JE23	1	2	830	0	6.5 x 4.0	6.5 x 2.1	0.30	10.39	8.95	8.25	7.35
194272	JE34	2	3	1,560	3	6.5 x 4.0	8.5 x 4.7	0.73	18.55	16.69	13.35	12.85
20758	JE24	2	1	1,360	2	6.5 x 3.1	8.5 x 4.0	0.60	14.95	12.65	11.35	10.25
136901	WBU504	2	3	1,855	4	5.5 x 5.5	7.4 x 6.3	0.90	26.95	22.95	20.95	18.95
20774	JE25	2	4	1,660	3	6.5 x 4.3	8.5 x 5.1	0.80	20.95	18.95	16.95	14.95
20791	JE26	3	5	2,390	4	6.9 x 5.8	9.1 x 6.9	1.10	28.95	24.95	22.65	19.95
20812	JE27	4	7	3,220	4	7.3 x 7.5	9.5 x 8.3	1.40	35.29	31.74	28.57	25.72

† WBU5 and JE series do not interconnect

Breadboard Pin to Breadboard Pin Test Leads

Part No.	Description	1	10	25
421315	Breadboard pin to breadboard pin test leads (20 pk), 4 each color-coded (red, yellow, blue, black, white), 24 AWG wire, 5.9" wire length (150mm)	\$13.35	\$12.05	\$10.79

* For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 159.

AC/DC Power Supply

Ideal for Breadboards on previous page



International 120/220VAC Switchable

Output Specifications:

- +5VDC @ 1A;
- 5V @ 300mA fixed;
- 0 to +15VDC @ 500mA variable;
- 0 to -15VDC @ 300mA variable;
- 12-6-0-6-12 lapped VAC, 300mA fixed

With built-in short-proof regulated power supplies.

- Input power: 120/220VAC @ 50-60Hz (switchable)
- Indicator lamps and power fuses
- Just plug in & start to use • Compact & lightweight
- For both digital and analog circuits
- Compatible with test leads P/N 77842, pg 140
- Size: 7.4"W x 5.5"D x 2.6"H • Color: beige
- Weight: 5.5 lbs. • One-year warranty

Part No.	Description	1	10	25
77682	Power supply	\$145.95	\$138.95	\$115.95



Resistance & Capacitance Decade Substitution Boxes

Wide-range decade substitution boxes for product design or calibration checks.

- Light durable construction
- Case may be grounded separately
- Three binding posts permit isolated substitutions
- Size: 4.7"W x 5.7"H x 1.4"D
- Weight: 0.7 lbs.



211668

- 211668: 1% resistance substitution from 1Ω to 11.111110MΩ
- 7 decade ranges of resistance
- Values can be changed in 1Ω increments



211676

- 211676: 5% capacitance substitution from 100pF to 11,111μF
- 5 decade ranges of capacitance

Part No.	Description	1	10
211668	Resistance	\$99.95	\$94.89
211676	Capacitance	129.95	123.95

Wire Jumper Kit (350 pcs.)

- 25 each 0.1" to 5.0" lengths (14 sizes)
- 350 assorted lengths in 13 colors
- Pre-stripped/preformed 22 AWG solid wire jumpers
- Clear plastic durable case



19290

- 20080: 350-piece refill for 19290

*Web Code: LAS

Part No.	Description	1	10	50	100
19290	Wire jumper kit	\$16.95	\$15.25	\$13.75	\$12.45
20080	Refill for 19290	11.65	10.48	9.43	8.59

Reinforced Jumper Wires

- 24 AWG-300 volts
- Reinforced pin ends for durability
- 10 pack assortment: 2 each yellow, white, red, black & blue

*Web Code: LAS



126342

Part No.	Cross Ref. No.	Length (mm/inch)	1	10	100
126360	JW50	50/1.97	\$4.99	\$4.49	\$3.99
126342	JW100	100/3.94	5.49	4.99	4.49
126325	JW200	200/7.87	5.99	5.49	4.99

Digital Design Lab

*Web Code: LAJ

Our most popular digital lab!

- 1580 tie points
- DCV digital multimeter
- Two 7-segment displays (digit height: 0.3")
- Fixed power supply: ±5VDC @ 1.0A
- One-year warranty

Solderless Breadboard

- Interconnected nickel-plated tie points, fitting all DIP sizes and all components with AWG #22-30 (0.3-0.8mm) solid leads

DC Power Supplies

- DC supplies equipped with short circuit protection
- Variable DC power: 0 to +15V & 0 to -15V @ 0.5A

Function Generator (5 ranges)

- Frequency ranges: 1Hz-10Hz, 10Hz-100Hz, 100Hz-1kHz, 1kHz-10kHz, 10kHz-100kHz
- Sine wave output: 0-8 Vp-p variable
- Triangle wave output: 6Vp-p fixed
- Square wave output: ±5V fixed

Includes: Power cord and manual



International 115/220VAC Switchable

Part No.	Description	Size (W" x D" x H")	Wt. (lbs.)	1	10	25
75839	Digital lab	10.6 x 13.3 x 5.0	8.1	\$290.19	\$275.68	\$261.90

Digital/Analog Design Labs

Solderless Breadboard

- 2712 interconnected nickel-plated tie points, fitting all DIP sizes and all components with AWG #22-30 (0.3-0.8mm) solid leads

DC Power Supplies

- Fixed DC output: +5VDC @ 1A; -5VDC @ 300mA
- Variable DC output: 0 to +15V & 0 to -15V @ 500mA (P/N 136267) 0 to +15V & 0 to -15V @ 1A (P/N 1919211)

- Input power: 110/220VAC @ 50-60Hz (switchable)

- Frequency ranges: 1Hz-10Hz, 10Hz-100Hz, 100Hz-1kHz, 1kHz-10kHz, 10kHz-100kHz

- Sine & square wave output: 0-8 Vpp variable
- Triangle wave output: 0-6 Vpp variable
- TTL mode output: 5Vpp (P/N 1919211 only)

Other features

- 2.5" dia. 8Ω, 25W speaker
- 2 pulse switches (2 sets of outputs: \bar{A} , A, \bar{B} , B)
- 2 banana sockets, 2 BNC jacks
- Two 7-segment LED displays (digit height: 0.3")
- 136267: • 2 variable resistors: VR1=1kΩ, VR2=100kΩ
- 8 data switches
- 8-bit red LEDs with separate input terminals
- One-year warranty
- 1919211: • 16 bit data switches w/ corresponding output points
- 16 red LED's w/ separate input terminals

Includes: Power cord and manual (both P/Ns 136267 & 1919211); jumper wires (P/N 1919211 only)

Part No.	Description	Size (W" x D" x H")	Wt. (lbs.)	1	10	25
136267	Digital/analog lab	12.8 x 9.8 x 3.7	8.5	\$445.95	\$409.95	\$339.95
1919211	Digital/analog lab	13.0" x 10.5" x 3.5"	9.1	459.95	419.95	369.95

Powered Project Breadboards

*Web Code: XAT

- Solderless breadboard with 2420 tie points
- Power switch with light
- Outputs are short-circuit protected

Includes: Power cord

136259:

- Fixed power: +5V @ 1A; variable power: 0 to ±15VDC @ 500mA
- Edge plate for non-DIP size components
- Input power: 120/220VAC @ 50-60Hz (switchable)
- Replacement fuse: P/N 103908, pg 39
- One-year warranty
- Breadboard size: 7.4"L x 6.8"W
- Back panel has ground terminal

1537264:

- Fixed power: +5V @ 1A; variable power: 0 to ±16VDC @ 300mA
- Front panel has color coded terminals for DC output power supply, adjustable knobs & ground terminal
- Breadboard size: 5.8"W x 6.5"L
- Input voltage: 110/220VAC @ 50-60Hz switchable
- Fuse protection

1942163:

- Input power: 110VAC or 220VAC @ 50-60Hz (switch selectable)
- Triple output power supply: fixed 5VDC @ 1A; 0 to +16VDC @ 500mA (adjustable); 0 to -16VDC @ 500mA (adjustable)
- Grounded case
- Fuse protection
- Overload protection
- Lighted power switch



136259



1942163

Part No.	Product No.	Overall Size	Wt.	1	10	25
136259	PP272-ROHS	9.8"L x 8.0"W x 2.6"H	6.8	\$124.95	\$119.95	\$109.95
1537264	PBB-4060	10.0"L x 7.8"W x 2.4"D	6.8	89.99	79.95	69.95
1942163	PBB-4060B	10.3"L x 8.8"W x 3.3"H	6.0	99.95	89.95	79.95

Quick and Easy Search

Our enhanced website offers over a hundred thousand datasheets and photos to assist you in finding the products you need.

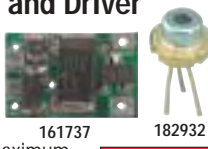
*For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above

RoHS compliant product This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 159.

Laser Diode and Driver

182932: Laser Diode

- Optical output power: 5mW maximum
- Operating current: 30mA
- 5.6mm packaging size
- Operating voltage: 2.6V maximum
- Lasting wavelength: 650nm typical
- Beam divergence of 11° from center line max.



161737 182932

Class IIIa Laser Product

161737: Laser driver w/ regulator

- Input voltage: 2.6-6VDC
- Input current: 40mA

Part No.	Description	1	10	25
182932	650nm laser diode ...	\$14.95	\$12.72	\$9.54
161737	Laser driver	8.49	7.35	6.59

Laser Diode Module

- Operates on 3VDC @ <5mW
- 650nm wavelength
- Beam diameter: 5 x 8mm
- Working distance: over 50 meters (daylight), 200 meters (dark)
- Size: 0.9"L x 0.3"Dia
- One-year warranty



Class IIIa Laser Product

Part No.	Description	Price
310519	Laser module, brass	\$46.95

Green Laser Pointer



Using a wavelength closely matched to the highest sensitivity of the human eye and built with cutting-edge crystal technology, this laser projects a green beam so powerful you can see it against a clear sky at night.

- Output wavelength: 532nm
- Output power: <5mW
- 90-day manufacturer's warranty

Includes: Metal gift box, clip and 2 AAA batteries

Part No.	Description	Price
223731	Green laser pointer	\$99.95

*Lasers — Enter Web Code LAZ

PARALLAX Boe-Bot Full Kits

Now with Robotics text v.2.0! The new text includes 41 activities for the Boe-Bot and PBASIC 2.5 source code support. The Boe-Bot's flexibility stems from the fact that it's a rolling Board of Education. The board of education and basic stamp may be removed to be used as your platform for the other stamps in Class curriculum. The robot may be programmed to follow a line, solve a maze, follow light, or communicate with another robot. Requires 4 AA batteries (not included).



Part No.	Product No.	*Web Code: MBS	1	10
282933	28132 (Serial)		\$158.95	\$146.95
387997	28832 (USB)		148.45	147.09

PowerFilm. Flexible Thin Film Solar Module

The wireless Eletronics Series offers a new opportunity to solve the old problem with limited power for wireless electronics in portable and remote applications. This module is lightweight, paper thin and durable.

*Web Code: QEM

Part No.	Product No.	Size (LxWxT)	1	10	100
227993	TX3-25	4.5" x 1.0" x 0.1"	\$2.89	\$2.45	\$1.99

650nm Line and Dot Laser Diodes

143845/173243:

- Focus adjustable w/ locking set screw
- Wattage: 5mW
- Operating volt.: 3-5V
- Size: 3.3"L x 0.9"Dia.
- One-year warranty

Class IIIa Laser Product

*Web Code: LAZ



143845: Line laser module

- Laser line width: 1mm
- Laser fan angle: 60°

173243: Cross hair laser diode module

- Laser fan angle: 60°
- Size: 3.0"L x 0.9"D
- Female 2.1mm power connector

143837: Module regulated power supply

- Output: 5VDC @ 100mA
- Short-circuit protection
- Input voltage: 95-125VAC or 190-250VAC switchable
- Size: 2.0"W x 1.7"D x 9.2"H
- Weight: 0.6 lbs.



143853: Laser module mount

- X-Y tilt, 0 movement
- Built to hold laser diode on target
- Tightening screw for tilt adjustment

Part No.	Description	1	10
143845	Line laser diode module	\$119.95	\$109.95
173243	Cross hair laser diode mod	99.95	89.95
143837	Regulated power supply	20.95	17.95
143853	Laser diode module mount	59.95	46.95

Climax Spider Shaft Coupler

- 2 set screws (10-32 x 1/8)
- Size: 0.75"L x 0.5"OD

*Web Code: EBE



Part No.	Description	1	10	100
138288	.250" ID sleeve coupler	\$4.49	\$4.09	\$3.90

PARALLAX Stamp Works Kit Plus

This all-in-one kit includes a well-written collection of 35 experiments that will teach you first class BASIC stamp programming.

- Weight: 10 lbs.

Includes: Stamp Works experiments and Source Code book, Basic Stamp Syntax and Reference Manual, development board (28138), 2 x 16 parallel LCD with custom cable, BS2 module, 3 rolls of 100' 22AWG wire, photoresistor, resistor and capacitor assortment, NE555CN timer, (2) 74HC165N, LM358N, DS1620, (2) 74HC595CN, 24LC32A serial EEPROM, MC14489 serial cable, USB cable, stepper motor, servo motor, CD-ROM software and documentation, and 12VDC @ 1A power supply.

Part No.	Product No.	*Web Code: MBS	1
661116	27297 kit		\$273.45

MONDO-TRONICS

Flexinol Muscle Wires®

These unique nickel-titanium alloy Muscle Wires® actually shorten in length when electrically powered, and can lift thousands of times their own weight.

How it works... Pressing the switch lets power flow from the batteries through the Muscle Wire®, heating it and causing it to contract, raise the lever and lift the weight. When power is removed, the Muscle Wire® cools and relaxes, and the weight helps it return to its starting position.

- Length: 1 meter
- Includes: Instructions

*Web Code: WAU

Part No.	Description	Wire Dia. (microns)	Linear Resistance (ohm/m)	Typical Current (mA)	Deform Weight* (grams)	Recovery Weight* (grams)	Typical Rate**	Pricing	
								1	10
141321	100LT	100	150	180	28	150	33	\$17.95	\$15.95
141874	150LT	150	50	400	62	330	20	17.95	16.95
160055	375LT	375	8	2750	393	2000	4	22.95	19.19

* Multiply by 0.0098 to get force in Newtons ** Cycles per minute, in still air, at 20° Centigrade

75W Laser Diode

- Nanostack pulsed laser diode
- Nanostack laser technology including multiple epitaxially stacked emitters

- Applications: range finding, security/surveillance, illumination/ignition, test and measurement systems
- Peak power: 75W
- Laser aperture: 200µm x 10µm
- Number of emitters: 3
- Wavelength: 905nm

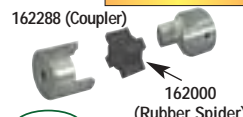


Part No.	Cross Ref. No.	1	10	100
1623584	SPL PL90-3	\$39.95	\$37.55	\$33.95

Spider Couplers

*Web Code: EBE

- Used with motors
- 1 set screw per hub
- Hub OD: 0.625" Dia.
- Hub length: 0.56"
- Parts sold individually



Part No.	Description	1	10	50
162288	.125" (3.18 mm) ID hub	\$1.49	\$1.28	\$1.19
161998	.197" (5.00 mm) ID hub	1.19	1.02	.92
162270	.250" (6.35 mm) ID hub	1.49	1.28	.96
162000	Rubber spider	1.55	1.38	1.26

16-Pitch Sprocket Set

- Operates in high humidity and corrosive environments
- Chain links can easily be added or removed to adjust total length
- Chain tension load: 2.0 lbs.
- 14-piece sprocket set includes 1 each of the following: 8, 9, 10 teeth with 1/8" bore size; 12, 15, 16, 18, 20, 24, 30, 32, 36, 40 and 48 teeth with 1/4" bore size



Part No.	Description	1	10	25
168276	Sprocket set - 14 pcs	\$29.95	\$26.95	\$23.95

26-Pitch Press-Fit Gear

- Works w/ DC motors w/ 0.156" and 0.078" shaft diameter • Dia. 0.756"
- Heavy-duty plastic construction • Bore size: 0.149
- Material: polyethylene resin • Dia. pitch: 26



Part No.	Description	1	10	100
162077	20 teeth gear	\$.95	\$.89	\$.69

10-Piece Gear Assortment

- T10, T20, T30, T40, T50 and bushing
- Polyethylene resin
- Gears are 0.147" bore size
- Bushings are 0.07" bore diameter



Part No.	Description	1	10	100
1810072	Gear set - 10 pieces	\$6.49	\$5.95	\$5.49

*Gears — Enter Web Code PEF

PAYMENT OPTIONS

Credit Card/Check Cards

We accept VISA, MasterCard, American Express and Discover. No surcharge. Your account will not be charged until your order is shipped. When ordering, please advise name on card and credit card billing address.

Check or Money Order

You may pay by check or money order in U.S. funds, drawn on a U.S. bank.

Open Account

It is easy to open an account with Jameco. Contact us for obtaining open account status.

C.O.D.

Personal checks are accepted. Please add \$9.00 per C.O.D. order. Include the name and address of your bank and your account number.

International Orders

All foreign orders must be prepaid with a credit card (see approved credit cards above), wire transfer, traveler's check, cashier's check or money order drawn on a U.S. bank in U.S. funds only. Please do not send cash. Jameco cannot accept letters of credit as a form of payment. E-mail: international@jameco.com.

SERVICES

30-Day Money Back Guarantee

If for any reason you are not completely satisfied with your purchase, simply return the product, in its original packaging, within 30 days for a refund, credit or exchange. Parts returned due to customer ordering error may be subject to a restock fee. Call our customer service department at 1-800-536-4316 or visit www.jameco.com to request an RMA#. It should appear clearly on the outside of the box. Returns without an RMA# will not be accepted, and no freight collect packages will be accepted. A completed Jameco customer service form, located on the back of the packing slip, must be included with your return. We're sorry, but books, kits, software, grab bags and special orders cannot be returned. Special orders consist of products sold at an OEM quantity discount or products not listed in the Jameco catalog.

Jameco Warranty

Jameco warrants all merchandise against defects in material or workmanship for a period of 90 days (One year for Jameco ValuePro, ReliaPro & BenchPro products) from the original purchase date unless otherwise stated in writing by Jameco. If Jameco receives the product considered to be defective within this warranty period and the product is determined to be defective, Jameco will, at its sole option and discretion, either repair or replace the product. The foregoing is your sole and exclusive remedy and states Jameco's entire liability arising out of this warranty. [However, Jameco will transfer to customer whatever transferable warranties and indemnities Jameco receives from the manufacturer of the products. Any claims arising from such manufacturer's warranties shall be the sole responsibility of the manufacturer and not of Jameco.] Moreover, Jameco's limited warranty is void if the damage or defect has resulted from improper customer assembly, failure by customer to follow instruction, product modification, negligent or improper operation, accident, abuse or misapplication. Products returned to Jameco pursuant to this warranty must be returned to Jameco prepaid.

No Other Warranties

The limited warranty above is exclusive and in lieu of all other conditions and warranties for the products and documentation. Jameco makes no other conditions or warranties, express, implied, statutory or otherwise, and expressly disclaims all other conditions and warranties, including but not limited to, implied conditions or warranties of merchantability, fitness for a particular purpose, and non-infringement of the products.

Limitation of Liability

Jameco shall not be liable for any incidental, special or consequential damages for breach of any warranty, expressed or implied, directly or indirectly arising out of Jameco's sale of merchandise, including any failure to deliver any merchandise, or arising out of customer's installation or use, whether proper or improper, of the product, separately or in combination with other equipment, or from any other cause. Products sold by Jameco are not authorized for use as critical components in life support devices or systems.

5 EASY WAYS TO ORDER

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POLICIES

Confirming Orders

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No Minimum Order

A \$5.00 processing fee will be added to U.S. orders under \$25.00. This fee will be waived on web orders. All international orders below \$40.00 will incur a \$7.50 processing fee.

PRICES

Prices are effective 10-06-08. In the unlikely event you find a lower price in a printed catalog or magazine, simply call us with the details at the time of purchase. We'll beat any price by 10% as long as it's above our cost. Prices and discounts are subject to change without notice. We are not responsible for any typographical errors in this catalog. Photos are representative; product appearance may vary.

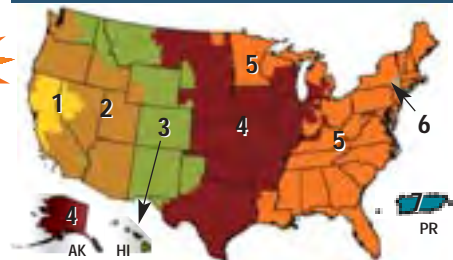
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➤ RoHS compliant product

⊕ Available in both RoHS and non-RoHS

SHIPPING INFORMATION



Guaranteed Delivery Time for UPS Ground (Business Days)

1 day 2 days 3 days 4 days 5 days 6 days 7 days

Orders received Mon.–Fri. by 6:00 p.m. Eastern Standard Time will be shipped the same day. Orders received Saturday and Sunday will ship the following Monday (except on holidays). If we are unable to fill your order on the day received, we will send you a gift certificate worth \$5.00 towards your next Jameco purchase. This offer does not apply to orders waiting for credit approval or backordered items.

Options and Rates*

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Commercial Destination	First 2 lbs.	Additional lb.
Ground	\$7.65	\$0.85
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Ground	\$8.45	\$0.89
3-Day	\$11.50	\$1.95
2-Day	\$15.50	\$2.45
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